

CANADA

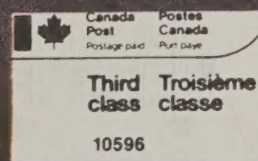
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**Welcome
RAC**

Final Issue!

**CRRL Board
Minutes**

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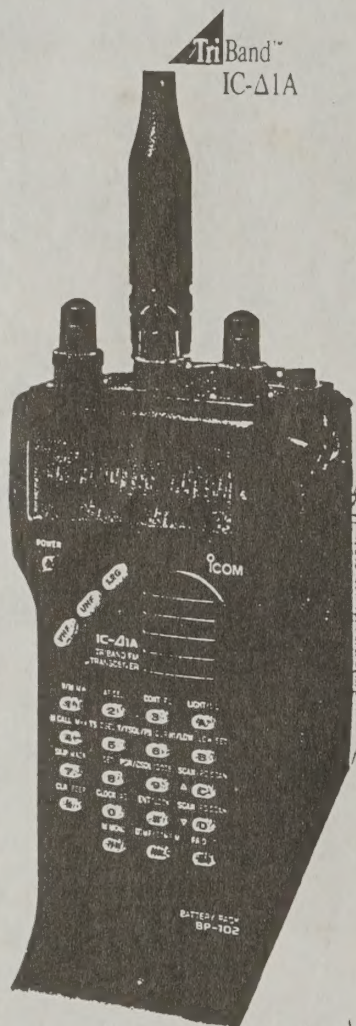
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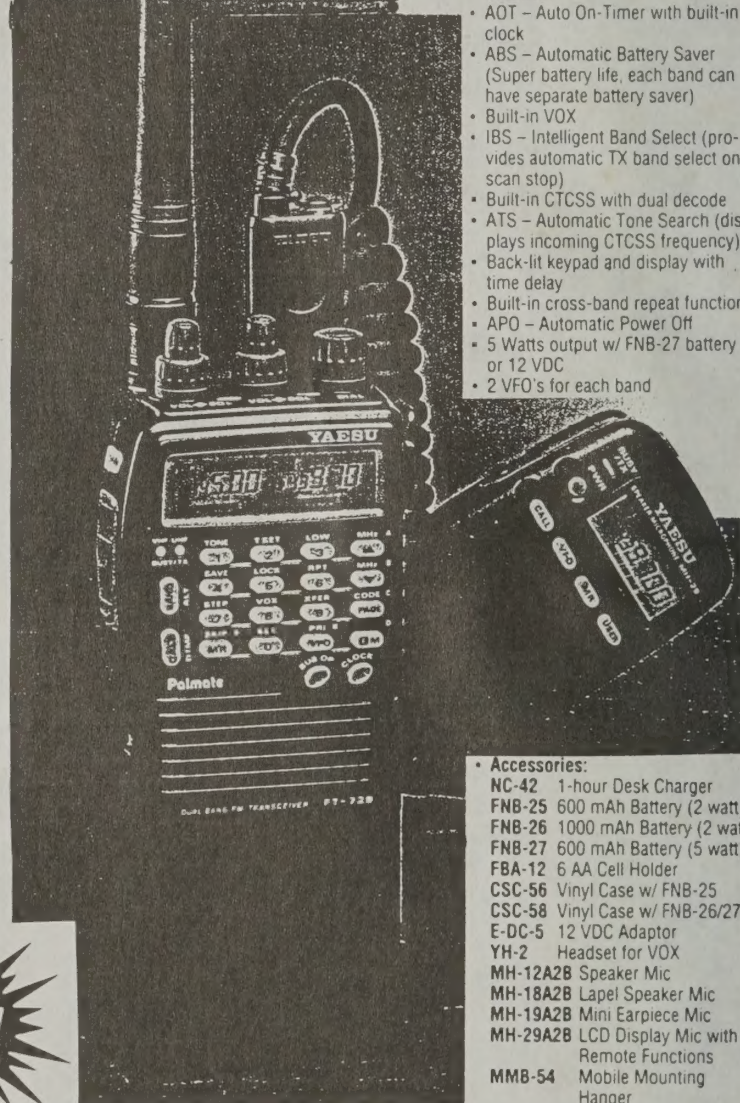
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ABOUT THE COVER



RAC is here! RAC President J. Farrell Hopwood, VE7RD (that's "Hoppy" to you, on the left), and RAC Vice President Dana Shtun, VE3DSS, at the inaugural meeting of RAC, held in Mississauga, Ontario, on May 2.

It Seems to Us.../Il nous semble...

Some Reflections on RAC

First of all, I would like to thank our *QST Canada* editor, David Adams, VE3HBF, for the privilege of returning to this space. On Saturday, May 1, I attended the final meeting of the CRRL Board of Directors. It was generally a happy time, as it should have been. CRRL and CARF had finally come to terms, and next day there would be a new, single Canadian Amateur Radio organization: RAC—Radio Amateurs of Canada. Still, I was a troubled. I kept thinking of the people who had given so many years of their life to work for Canadian Amateur Radio in the context of CRRL. I wondered if somehow, something might be lost.

In another room in another hotel, the CARF Board was also holding its final meeting. I suspect that in that room there were amateurs who shared the same feelings I was having. After all, CARF people had also worked hard for Canadian Amateur Radio. Many fine things had been done. Some of those people must have been wondering if those coming into RAC from "the other side" would truly value what they had accomplished by CARF. Would these people continue it or build on it, or would something be lost?

This is probably the key to making RAC a successful organization: everyone must feel that his or her past efforts, whether in the context of CRRL or CARF, has contributed and will continue to contribute to the well-being of RAC. CRRL brings to RAC a long and proud tradition that goes back to the earliest days of Amateur Radio. It is a tradition rooted in ARRL. It includes the Old Man and the Wouff Hong, Sections and traffic handling, Field Day and Sweepstakes, national conventions and *QST*. The CARF tradition is newer and based on a strong sense of being Canadian. It includes the Canadian contests and awards, the Canadian headquarters and *TCA*.

Nothing must be lost. Everything must be valued. That's our first bit of advice for RAC. What else must be done? We believe three things.

First, RAC must establish a permanent headquarters as soon as possible. It must be in a location that will neither be identified with CARF or with CRRL. As an interim measure, RAC is setting up shop in the former CARF headquarters in Kingston, Ontario. While the price might be right in terms of rent, the price is not right in terms of perception for this to continue for, say, more than a year. Remaining in Kingston would be as bad as remaining in London. It would create the perception that CRRL and CARF had not truly merged, but that one organiza-

tion had simply taken over the other one.

Financially, RAC is off to a good start. There is money in the bank and there are prepaid memberships. There is a sense in which RAC can borrow from itself. Coupled with a good capital fund campaign, RAC could be in a strong position to buy some land and put up a building within a year or so. The amateurs of Canada deserve nothing less.

Second, RAC must run a strong membership campaign as soon as possible. A mailing of *TCA* to all Canadian amateurs is a good start, but not the last word in membership campaigns. From membership campaigns in CRRL, we think we know what works. Potential members need to receive a letter outlining RAC benefits and services. The letter should have photos as well as text and should be signed by RAC officers and directors right across Canada to give a strong sense that RAC is a national organization and not, say, an Ontario-based organization attempting to exert its influence over the rest of Canada. There must be a reply form and an envelope in which to return it. It would help if RAC could offer a premium, say a book or discount coupon on a book. And there must be an opportunity to donate to the capital fund for the new RAC headquarters building.

Finally, RAC must offer the widest possible variety of services. When CRRL and CARF were at their peak, Canadian amateurs never had better service. That was because CRRL and CARF were in competition for the hearts and minds of Canadian amateurs. Canadian amateurs had regular bulletin service, repeater directories, callbooks, RFI kits, training materials and handouts—the list went on and on. What began to happen when it appeared that CRRL and CARF would merge? Well, some of these services still exist, but others do not.

There is a danger that without the competition created by having two organizations, things could slack off. This must not be allowed to happen.

What can you do? Support RAC with your membership and with your extra dollars. Work individually and through your clubs to get as many amateurs as possible to join. Canada now has over 30,000 amateurs. At least 30–40% are active. It is not too much to expect that RAC should be supported by a core of 10–12,000 amateurs. With that kind of support, it might be possible to have not just one, but two or three paid employees to provide those services out of that new headquarters building. Now that would be first-class!

—Harry MacLean, VE3GRO

All letters are considered carefully. Letters are edited for clarity and may be condensed in order to have more information and readers' views presented. The publishers of *QST Canada* assume no responsibility for statements made by correspondents.

A LAST WORD ON IPARN

Amateur Radio is amateur communications on the amateur bands. For this goal, amateurs have researched, experimented and done the darndest things. And they are still very active in exploring new avenues to advance the art of amateur communication. Using commercial equipment does not make amateur communication commercial, nor does using war surplus gear make an amateur a warmonger.

Still, there is only a minuscule amount of amateur communications involved in IPARN. Meanwhile, amateur communica-

tions using amateur satellites is in the forefront of advancing the art of amateur communications. There are more than a dozen amateur satellites in orbit for a wide variety of communication modes.

Joining in and being in the forefront of advanced satellite communications is *not* costly. In fact, OM Angus, VE6MCD, can join the fun without it costing him a cent. I expect he has 10- and 15-metre capability already. Even when he wants to put up his own personal satellite, it will cost less than Mulroney's mansion. —L. Tirrul, VE3ETB, Elliot Lake, ON

The Canadian Radio Relay League, Inc La Ligue Canadienne de la Radio Amateur, Inc



The Canadian Radio Relay League (CRRL) is a noncommercial association of radio amateurs organized for the promotion of Amateur Radio communications and experimentation, for the establishment of networks to provide communications in the event of disasters or other emergencies, for the advancement of the radio art and the public welfare, for the representation of radio amateurs in legislative and other matters, and for the maintenance of fraternalism and a high standard of conduct.

CRRL is incorporated under the Canada Corporations Act. Its affairs are governed by a seven-member Board of Directors elected every two years by the CRRL general membership. CRRL is noncommercial, and no one who could gain financially by the shaping of its affairs is eligible for membership on its Board.

CRRL is the Canadian member-society of the International Amateur Radio Union (IARU). "Of, by and for the Canadian Radio Amateur", CRRL numbers within its ranks the vast majority of active amateurs in the nation and has a proud history of achievement in amateur affairs.

A bona fide interest in Amateur Radio is the only essential requirement for membership. An Amateur Radio licence is not required, although full voting membership is granted only to licensed amateurs in Canada.

Membership inquiries and general correspondence should be directed to CRRL Headquarters, Box 56, Arva, ON N0M 1C0 Tel (519) 660-1200.

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*Voting member, CRRL Board of Directors

Calendar



Attention: Deadline for items is the 20th of the second month preceding month of publication. For example, information should reach *QST Canada* by January 20 to be included in a March issue.

Bangor, ME: Bangor Hamfest, 1993 June 12 at Hermon Elementary School, Billings Road. Sponsored by Pine State ARC. Open 0800-1300. Admission \$2. Technical demos, CW contests. Talk-in on 146.94 MHz (-). For more information, contact Roger Dole KA1TKS, Box 730, R R 2, Bangor, ME 04401, Tel (207) 848-3846.

Burbank, AB: Central Alberta Radio League Annual Picnic, 1993 June 18-20. Camping \$15 per family, \$10 single. Weekend pass without camping \$6. Saturday golf, fleamarket, barbecue dinner and dance. Sunday pancake breakfast, races and trophies. Talk-in on special-event station VE6UK, 147.15 MHz (+).

Essex, MT: Annual Glacier-Waterton International Hamfest, 1993 July 16-18 at Three Forks Campground. Sponsored by Calgary ARA and other clubs. Seminars, demos, commercial dealers, transmitter hunts, women's and children's programs. Saturday barbecue, Sunday breakfast, crafts and bazaar. Talk-in on 146.52-MHz simplex. For more information, contact Sheila Devitte, VE6NOW, Calgary, Tel (403) 282-2171.

International Peace Gardens, MB/ND: 30th International Hamfest, 1993 July 10-12. Special-event station VE4IHF, fleamarket, 2-metre and 80-metre foxhunts, homebrew contest. \$13 registration includes social and Sunday breakfast. Talk-in on 146.52-MHz simplex. For more information, contact Alan McIlwain, VE4AKM, Pinawa ARC.

Kitchener, ON: Central Ontario Amateur Radio Fleamarket, Saturday, June 5 at Bingeman Park, 1380 Victoria Street North. Sponsored by Guelph ARC and Kitchener-Waterloo ARC. Open 0800-1400. Admission \$5. Children 12 and under free. Vendor tables \$8 per eight-foot space. Talk-in on VE3KSR, 146.97 MHz (-); VE3ZMG, 145.21 MHz (-), and 146.52-MHz simplex. For advance tickets and tables, contact Jack Knight, VE3RGY, 35 Brockville Avenue, Guelph, ON N1E 5X5, Tel (519) 823-1358.

Manchester, NH: ARRL New England Division Convention, 1993 July 24-25 at New Hampshire Conference Center. Sponsored by New Hampshire ARA. Open 0800-1630. Air-conditioned indoor fleamarket with space for 300 tables, national vendors and forums. Handicap access. Admission \$4 in advance, \$5 at the door. Tables \$14 in advance, \$20 at the door. Talk-in, wide-area 146.85 MHz (-), local 147.225 MHz (+) and 223.9 MHz. For more information, contact New Hampshire ARA, Box 573, Derry NH 03038.

Calendar—continued on page 28

End of an Era

Some thoughts from someone who was there...

By Noel B. Eaton, VE3CJ
Box 660
Waterdown, ON L0R 2H0

This final issue of *QST Canada* brings to a close an era in the affairs of Canadian Amateurs with which I have been closely involved. When I first became Director of the Canadian Division of ARRL in 1960, we were few in number, and there was little feeling of a Canadian identity as such. In fact, one of the first meetings in which I was involved was the one held in Winnipeg which saw the founding of CARF, the Canadian Amateur Radio Federation. At that meeting I was able to help in writing a constitution for the new organization. I well remember that it was at my suggestion that it was formed as a federation of provincial societies, rather than a national society with individual members. This was later changed, but my reasoning at the time was that it would be easier to convince a few societies to join than to convince thousands of individuals.

Let us never forget, though, that it was ARRL that took us under its wing and nurtured our growth until we could stand on our own feet. During all those years we were looked upon as full League members. The Canadian Director was accepted as a full member of the ARRL Board, serving on committees and voting on practically every motion. In fact, both Alex Reid, VE2BE, and I were elected as ARRL vice presidents without any objections. ARRL even paid all expenses for Alex Reid and his wife to attend the 1947 WARC as a member of the Canadian delegation. And after our CRRL was formed and had its own income, ARRL loaned CRRL enough capital to equip its office properly. For this kindness and generosity we must always be grateful.

From the beginning, our relations with the Canadian government were amicable, not the least because the people with whom we dealt were often amateurs or radio operators from the old Department

of Marine and Fisheries, later the Department of Transport and now the Department of Communications. This was necessary, for friendly relations with our governing body is one of the two essentials for our well being—the other being the frequencies on which we operate. Things

always get what we want, but even when we disagree with the authorities, we usually understand the reason why they feel the way they do. Perhaps the most difficult point of contention is the treatment of interference complaints, but there are always two sides to every story, and we are not always in the right.

My own involvement in what might be termed Amateur Radio politics has been a source of never-ending pleasure to me. Of course I have had the good fortune to have been helped by many good people, starting with Alex Reid and continuing with others far too many to name. And when I was Director of the Canadian Division of ARRL, there were those at ARRL Headquarters who were always willing to help. To all these people I owe an enormous debt of gratitude.

So now we have arrived at the goal which we have all wanted for many years. Now that we are all members of one national society, let there be no mention of "them" and "us". We have joined together to provide help and assistance to all Canadian amateurs. Let us now use our time, money and efforts in helping one another, not in recriminations over ancient history.

Noel Eaton, VE3CJ, is President Emeritus of the International Amateur Radio Union (IARU), Director Emeritus of American Radio Relay League (ARRL), and Honorary Vice President of the Canadian Radio Relay League (CRRL). Noel was Director of the Canadian Division, ARRL (1960–1974), Treasurer of IARU Region 2 (1962–1974), and Vice President of ARRL and President of IARU during WARC '79 (1974–1982). On Sunday, 1993 May 2, at the inaugural meeting of Radio Amateurs of/du Canada (RAC), Noel was inducted into the Canadian Amateur Radio Hall of Fame.



1976: Noel Eaton, VE3CJ (right), receiving a special presentation from then-RSO President Tom Atkins, VE3CDM. Noel has served Canadian Amateur Radio in many capacities. (VE3CDM photo)

have gradually changed over the years, becoming more formal with the arrival of lawyers in the Department and the increasing authority of the Department's regional offices, not to mention the increasing interest of the Department of Justice in our regulations. We do not

SUMMARY OF CRRL AUDITED FINANCIAL STATEMENT FOR 1992

CANADIAN RADIO RELAY LEAGUE, INC.

Consolidated Balance Sheet

1992 December 31

ASSETS

Current assets		
	Cash	\$259 609
	Accounts receivable	12 071
	Inventory	26 619
	Prepaid expenses	4 289
	Income taxes receivable	<u>2 350</u>
		\$304 938
Capital assets		
	Original cost	52 890
	Less accumulated depreciation	<u>40 098</u>
		12 792
		<u>\$317 730</u>

LIABILITIES

Current liabilities		
	Accounts payable	15 163
	Current deferred memberships	44 659
	Current deferred subscriptions	<u>90 685</u>
		150 507
Deferred membership fees (net of current portion)		6 139
Deferred subscriptions (net of current portion)		<u>11 260</u>
		17 399
Members' equity		119 824
Reserve fund		30 000
		<u>\$317 730</u>

Notes:

1. Capital assets are recorded at cost. Normal maintenance and repair costs are expensed as incurred. Depreciation is provided on the basis of the declining balance method at rates approved by the federal government, varying from 15% for office furniture to 50% for computer software.
2. Memberships and subscriptions are offered for multiple years. Income is pro-rated on a monthly basis so that the revenue is recognized in the year in which it is earned, and unearned revenue is deferred.
3. CRRL Inc. is a non-profit organization and is not subject to income tax. CRRL Publications, Inc. is a profit-oriented organization. Income taxes reflected in this financial statement relate to that company.
4. CRRL Inc. has reserved \$30,000 from operations for anticipated expenditures relating to the hosting of the IARU Region 2 General Assembly to be held in Niagara Falls, Ontario, in 1995.
5. Deferred subscriptions contain prepayments for *QST* and *QST Canada*. The latter will be transferred to RAC as a credit towards RAC membership, which includes *TCA*. Prepayments for *QST* will be transferred to ARRL as a lump sum. Therefore the cash position of CRRL will be substantially reduced before the transfer of assets to RAC.

—W. W. Loucks, VE3AR, Secretary-Treasurer, CRRL

CNIB Amateur Radio Program

Opening the world to the blind and visually impaired...

By George Fanjoy, VE3PEB
38 Toledo Road
Etobicoke, ON M9C 2H3

The Canadian National Institute for the Blind Amateur Radio Program (CNIB ARP) is operated to foster Amateur Radio as a hobby for the visually impaired and blind across Canada. The ARP is managed from the Toronto CNIB office under a twelve-member board, ten of them radio amateurs and two of them officers from the CNIB. This article is to explain where we are and what we are trying to do.

Briefly, the objectives of the ARP are to improve the availability of the hobby of Amateur Radio to the visually impaired and blind by providing instruction, and by making equipment available to them by sale or lease. The equipment today consists of Kenwood TS-450S/AT transceivers with voice readout. The ARP also provides audio tapes of newsletters and selected publications. Radio equipment is provided under lease with seven annual payments. Newsletters are provided free. Within the limits of available funds, radios are loaned to visually impaired and blind radio amateurs who are truly needy. The ARP is affiliated with the CNIB but is managed and financed completely independent of the Institute.

The ARP grew out of activity by the late Jack Foxall, VE3APN, who began instructing classes for the blind at CNIB Headquarters in Toronto in 1962. From about 1965, he was assisted by the Ontario Trilliums, a YL amateur club, and by Scarborough ARC. Graduates of his courses set up the NIBS Club, and a weekly Whitecaners Net. Early in 1967,

the late David Lloyd, VE3AW, and Ken Andras, VE3UU, were alerted to this activity by the late Jean Evans, VE3DGG of the Trilliums. Jean suggested that the Radio Society of Ontario (RSO) might help in the project. Since the NIBS Club hoped to install a station at the CNIB headquarters, it was natural to open discussions with CNIB. David Lloyd had just retired. He was asked by Ken Andras and CNIB Managing Director Art Magill to draw up plans to extend the successful Toronto program to the rest of Ontario, and ultimately right across Canada.

The President of the Radio Society of Ontario, the late Bill Choat, VE3CO, was approached for assistance. Bill strongly supported the concept, and the RSO executive unanimously adopted the CNIB Amateur Radio Club as an RSO public service project.

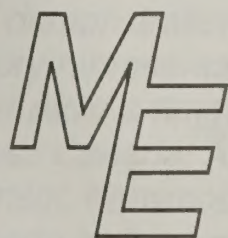
The first meeting of the board responsible for supervising this program took place on 1967 April 4 at the CNIB National Office in Toronto. In 1971, an office to coordinate the affairs of the CNIB ARC was established with Bill Choat as manager. This led to the present Amateur Radio Program, operating under the twelve-person board. Day-to-day management is in the hands of Will Melhuish, VE3AOY, himself visually impaired and a member of the ARP. Although under CNIB sponsorship, all management and funding of the Amateur Radio Program is completely independent of CNIB.

At present there are 486 visually



David Lloyd, VE3AW (right), founder of the CNIB Amateur Radio Program, receives ARRL Award of Merit from then-ARRL Canadian Vice Director Bill Loucks, VE3AR..

impaired and blind radio amateurs registered in the program across Canada. A training course that was successfully used over the last four years is now available on audio tape, in large print or braille, and for computer. These are available to any group in Canada that needs them. Two annual newsletters are mailed on audio tape to each visually impaired and blind amateur registered in the program. Several "white cane nets" operate across Cana-



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da with local leadership.

Originally the ARP provided users with a Heathkit HW-12 or HW-32 single-band transceiver. In 1984 it was decided to move to more modern equipment, and the Ten-Tec Argosy II became standard. When production of the Argosy came to an end in 1989, the Kenwood TS-440S/AT with voice readout was chosen to replace it. Today the Kenwood TS-450S/AT is used. Its cost, including voice synthesizer and power supply, is \$1985 outright or seven annual payments of \$375. In all, about 100 Argosy units, 84 TS-440S/AT units and 35 TS 450S/AT units have been sold, leased or loaned by the CNIB ARP to visually impaired and blind amateurs.

In 1992 November and December, Orville Watson, VE3PLW, Frank Gosselin VE3DGI, and I, all of us members of the ARP board, travelled to most provinces to meet local clubs and CNIB staff. We were received everywhere with incredible warmth, and hope to repeat the visits in the spring of 1993. The interest shown in helping the visually impaired and blind was fantastic, and we look forward to marked improvements in our program nationwide.

With these visits we wanted to establish a group of amateurs who would act as liaison to help develop and implement local programs. We can, and do provide help from Toronto, but there is a real need for more local programs to meet local needs. These could include some or all of the following: courses, help in obtaining licences, providing delegated examiners, help in setting up stations, help in obtaining sponsors, establishing club stations, and in taking out and holding NIB calls like those now on the air in British Columbia, Alberta and Ontario.

Our aim is also to establish a contact person in each provincial CNIB office to help find local amateurs to whom we could offer training and help. Already we have found 13 CNIB staff members and 16 radio amateurs across Canada who have agreed to act as liaison, to improve access to our hobby by the visually impaired and the blind.

The local programs are now being reviewed. Volunteers to help implement them would be welcome. Please consider helping a blind or visually impaired person as a friend or sponsor. The rewards will be well worth your time and effort.

Finally a reminder that funding for financing leases and providing radios to needy amateurs is limited. More funding is needed. Your club might consider contributing all or part of the \$1985 cost of providing a Kenwood TS-450S/AT. Income tax receipts are provided. Individual and estate donations are welcomed. Please forward to Manager, CNIB ARP, 1929 Bayview Avenue, Toronto, ON M4G 4C8. ■



The late Bill Choat, VE3CO, then-President of the Radio Society of Ontario and long-time manager of the CNIB ARP, points at himself in a picture of the first All-Canada ARRL Convention, held in Montreal in 1925.

Radio Amateurs of Canada Radio Amateurs du Canada

Officers

J. Farrell Hopwood, VE7RD—*President*
Dana A. Shtun, VE3DSS—*Vice President*
Clayton Bannister, VE3LYN—*Vice President, Administration*
Earle W. Smith, VE6NM—*Vice President, Government Affairs*
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Deborah Norman*—*General Manager*
Timothy S. Ellam, VE6SH*—*Legal Counsel*
Timothy D. Ray, VE3XV*—*Legal Counsel*

Directors

David A. J. Fancy, VE7EWI—*British Columbia Region*
Kenneth D. Oelke, VE6AFO—*Alberta Region*
Robert Shehyn, VE5FY—*Midwest Region*
George W. Gorsline, VE3YV—*Ontario South Region*
Robert C. Bishop, VE3JAB—*Ontario North Region*
Jean-Guy Riverin, VE2JGR—*Quebec Region*
Carl Anderson, VE1UU—*Atlantic Region*

*Non-voting members of the executive.



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The exchange of letters that made it all possible...



INTERNATIONAL AMATEUR RADIO UNION - REGION II
UNION INTERNACIONAL DE RADIOAFICIONADOS - REGION II



President: President
ALBERTO SHALO HK3DEU
8 SONEY LANE
GREENWICH CT 06030
U.S.A.

OFFICE OF THE SECRETARY
P.O. Box 2253
CARACAS. 1010 A. VENEZUELA.

Tel: 58 2 986 8759
Fax: 58 2 986 8759

May 2nd 1993.

Vice President: Vice President
THOMAS ATKINS VE3CDM
10 HAVENBROOK BLVD
WILLOWDALE ON M2H 1A4
CANADA

George Spencer, VE3AGS
Vice-President, International Affairs
Radio Amateurs of Canada.

Secretary: Secretary
PEDRO SEIDEMANN YV5BPG
P.O. BOX 2253
CARACAS 1010 A
VENEZUELA

RR#1,
JORDAN, Ontario. L0R 4A0

BY HAND.

Dear George:

On behalf of President Shalo and the Members of the IARU Region 2, Executive Committee please convey to your President, Directors, Officers and members of the Radio Amateurs of Canada on this historic day, our sincere congratulations on the creation of the single Canadian amateur radio society, which replaces the Canadian Radio Relay League and the Canadian Amateur Radio Federation.

Member: Member
STEVE DUNNELL VE3WJ
P.O. BOX 2253
HAMILTON ON L8N 4K4
CANADA

Director: Area
FRANK BUTLER W4RQ
1011 LLOYD RD. S.E.
FORT WALTON FL 32448
U.S.A.

Canada, through CRRL was one of the founding members of IARU Region 2 in 1964, and since its inception there has always been a Canadian radio amateur as an elected member of the Region 2 Executive Committee. Presently our Vice-President Tom Atkins, VE3CDM, a former CRRL President is also the Region 2 Area Director for Canada and Bermuda.

Member: Area
GUSTAVO VARELA VE3WJ
P.O. BOX 2253
HAMILTON ON L8N 4K4
CANADA

Region 2 accepts the membership of the Radio Amateurs of Canada as a continuation of the Canadian IARU membership of CRRL, and we look forward to an extension of our strong past association with Canada, and with anticipation to the Twelfth General Assembly of IARU Region 2 being hosted by RAC in Niagara Falls in 1995.

Director: Area
FABIAN CERRASCO YV5HJ
P.O. BOX 2253
SANTO DOMINGO
EL SALVADOR

With very best wishes,

Sincerely,

Pedro Seidemann, YV5BPG
Secretary.

Director: Area
ALFONSO CALDERON YV5BPG
SANTA CRUZ DE LA SIERRA
PERU

CC:
R2 Executive Committee
IARU President R.L. Baldwin, W4RU
Secretary Larry Price, W4RA

Director: Area
REINALDO CLAMA YV5BPG
JORDOZAGA 1207 P.O. BOX
128 BUENOS AIRES
ARGENTINA



Radio Amateurs of Canada
Radio Amateurs du Canada

May 2, 1993

Mr. T. Atkins VE3CDM
Vice-President and
Area A Representative
Region 2
IARU

Dear Mr. Atkins:

As you and many others within Region 2 are aware, the Canadian Radio Relay League and a second society, the Canadian Amateur Radio Federation have been working toward an amalgamation into a single society.

During meetings held independently yesterday, May 1st, 1993, each of these two organizations were dissolved and their assets pooled in favour of a new organization called the Radio Amateurs of Canada (RAC).

The pro-tem Executive and Board of Directors of RAC held its first meeting today. That pro-tem Board is composed of a mix of individuals chosen from the Executive and Board members of the two former organizations.

I, the former Vice-President for International Affairs for CRRL, have agreed to continue in the same capacity on the pro-tem Executive of the Radio Amateurs of Canada.

During the first meeting of the Board of Directors of RAC, held today, I have been instructed to request that the name of the Member Society for Canada in Region 2 IARU, be changed from the "Canadian Radio Relay League" to the "Radio Amateurs of Canada."

Would you in your capacity as representative for Area A of Region 2, please proceed on behalf of RAC, to have the Radio amateurs of Canada declared the Member Society for Canada.

Thanks Kindly

A. George Spencer VE3AGS

c.c. Alberto Shalo HK3DEU
Pedro Seidemann YV5BPG
Larry Price W4RA

Moved and Seconded.../Proposée et appuyée...

MINUTES OF GENERAL MEETING OF MEMBERS THE CANADIAN RADIO RELAY LEAGUE, INC. LA LIGUE CANADIENNE DE LA RADIO AMATEUR, INC.

1993 May 1

Pursuant to due notice, members met at the Airport West Ramada Hotel, Mississauga, Ontario, on 1993 May 1. At 0803 EDT, the meeting was called to order by Canadian Radio Relay League (CRRL) President Dana Shtun, VE3DSS. Present were 17 members; ARRL International Affairs Vice President and IARU Secretary Larry Price W4RA, and one other non-member, for a total of 19.

Purpose of the meeting was to pass a resolution pertaining to the dissolution of CRRL and the merging of operations with the Canadian Amateur Radio Federation (CARF). The following resolution was moved by Tom Atkins, VE3CDM, and seconded by Larry Thivierge, VE3GT:

WHEREAS the members of CRRL and CARF, by special resolution, have approved the dissolution of CRRL and CARF and the merging of operations to form Radio Amateurs of/du Canada;

AND WHEREAS the Board of Directors consider it necessary and appropriate to call an annual membership meeting in accordance with the Act and to present to the members a resolution which confirms all acts of the Corporation, its officers and directors at the date of incorporation in order to allow the dissolution of CRRL;

AND WHEREAS, due to the impending merger of CRRL and CARF, the elections of directors in accordance with the by-laws of the Corporation were not held to avoid unnecessary cost in anticipation of merger;

AND WHEREAS as a result of the successful vote on the special resolution to merge operations with CARF it is believed to be in the best interests of CRRL to extend the term of the present Board of Directors;

NOW THEREFORE BE IT RESOLVED THAT all acts, contracts, options, by-laws, proceedings, appointments, elections and payments enacted, made, done, given and taken by the directors and officers of the Canadian Radio Relay League, Inc. since the date of incorporation, as the same are set out or referred to in the minutes of the Corporation or the financial statements as published in *QST* or *QST Canada*, be and the same are hereby approved, sanctioned and confirmed.

NOW THEREFORE BE IT FURTHER RESOLVED THAT the terms of the present Board of Directors, namely David Fancy (Pacific Region), Ken Oelke (Alberta Region), David Snyder (Midwest Region), Ray Perrin (Ontario North Region), George Gorsline (Ontario South Region), Larry Dobby (Quebec Region) and Carl Anderson

(Atlantic Region), be and are extended for the period 1992 January 1 to the date of the dissolution of the Canadian Radio Relay League, Inc., or in any event, no later than 1993 December 31.

Legal Counsel Tim Ellam, VE6SH, spoke to the resolution, reiterating the two points raised in the Notice of Annual General Meeting of Members. The resolution was then put to the meeting and CARRIED UNANIMOUSLY.

Honorary Legal Counsel Bob Benson, VE2VW, then congratulated Legal Counsel Tim Ellam, VE6SH, for all his work in bringing merger to fruition, especially since this work was done *pro bono* (gratuitously). Honorary Vice President Tom Atkins, VE3CDM, then thanked Secretary-Treasurer Bill Loucks, VE3AR, and General Manager Ray Staines, VE3ZJ, for their dedication over the years. Alberta Director and Field Services Manager Ken Oelke, VE6AFO, then presented Ontario Section Manager Larry Thivierge, VE3GT, with a Certificate of Merit and thanks from the Board for 17 years of service as a Section Manager.

Moved by George Gorsline, VE3YV, seconded Noel Eaton, VE3CJ, and CARRIED, that the meeting be adjourned.
—W.W. Loucks, VE3AR, Secretary

MINUTES OF THE 1993 ANNUAL MEETING OF THE BOARD OF DIRECTORS THE CANADIAN RADIO RELAY LEAGUE, INC. LA LIGUE CANADIENNE DE LA RADIO AMATEUR, INC.

Meeting No. 17 – May 1, 1993

1. Pursuant to due notice, the Board of Directors of the Canadian Radio Relay League, Inc. met in annual session at the Airport West Ramada Hotel, Mississauga, Ontario, on 1993 May 1 at 0900 EDT. The following were present: Directors Carl Anderson, VE1UU (Atlantic Region); Ray Perrin, VE3FN (Ontario North Region); George Gorsline, VE3YV (Ontario South Region); David Snyder, VE4XN (Midwest Region), and Ken Oelke, VE6AFO (Alberta Region). Also present but without vote were President Dana Shtun, VE3DSS; First Vice President and Legal Counsel Tim Ellam, VE6SH; Vice President for International Affairs George Spencer, VE3AGS; Honorary Vice President Noel Eaton, VE3CJ; Honorary Vice President Tom Atkins, VE3CDM; Honorary Legal Counsel Bob Benson, VE2VW; *QST Canada* Editor David Adams, VE3HBF; *QST Canada* Advertising Manager Keith Bentley, VE3DHL; Ontario Section Manager Larry Thivierge, VE3GT, Interference Reporting Coordinator Mal Hamon, VE3KXH, and ARRL International Affairs Vice President and IARU Secretary Larry Price, W4RA. Moved by Mr Anderson, seconded by Mr

Gorsline and CARRIED, that the agenda circulated prior to the meeting be approved.

2. **Moment of Silence.** The meeting stood for a moment of silence in remembrance of amateurs who had passed away since the last meeting.

3. **Approval of Minutes of Meeting No. 16.** Moved by Mr. Loucks, seconded Mr. Snyder and CARRIED, that the minutes of Meeting No. 16 be adopted.

4. **Business Arising from the Minutes.** a) Minute 6: Management fee for 1993. This required "that those responsible for negotiating the management fee for 1993 consult the Management and Finance Committee prior to negotiations, to determine guidelines to be followed". President Shtun reported that he had negotiated a 1993 contract with Mr Staines. This provided for a nominal increase in fee plus a lump sum settlement to buy out early the contract terminating in 1993 October, so that services would terminate as of 1993 June 30.

b) Minute 13. Special call signs and QSL bureaus. A notice was "to be published in *QST Canada* that holders of special calls should notify both the central incoming bureau and the provincial or territorial incoming bureau where to send cards." This had been done.

c) Minute 22. Certificates of appreciation. This referred to Minute 4(b) of the previous meeting (No.15) where Mr Hamon "suggests participants in our various programs, and especially the Interference Reporting Service, receive suitable certificates of appreciation". This had been done for some volunteers, but others might also deserve them. Each director and officer was requested to make a list of those who, in addition to the above, should receive certificates. These lists would be supplied to the General Manager within the week, i.e., by 1993 May 8.

5. **Comments of the ARRL Vice President for International Affairs and IARU Secretary.** Mr Price was welcomed to the meeting by President Shtun. In his comments, Mr Price noted that he had mixed feelings on the dissolution of CRRL. He knew that Canadian amateurs wanted a new, single organization, but he was sorry that the League would no longer exist in Canada. He hoped to retain with RAC the special relationship that ARRL had enjoyed for so many years with CRRL, and before that, the Canadian Division of ARRL. In closing he wished Canadian amateurs good luck with their new organization. Both Mr Spencer and Mr Atkins thanked Mr Price for attending CRRL meetings.

6. **Questions and Comments on Written Reports.** Several reports not included in the manual that was circulated prior to the meeting were distributed. In response to a question, the General Manager reported that outstanding advertising accounts had been settled, but that the same account was again owed money. In response to the President's

Report, it was recommended that all members of CRRL whose memberships would be transferred to RAC, including Life Members, receive a new RAC membership certificate. Director David Fancy, VE7EWI (Pacific Region) and former *QST Canada* Editor Harry MacLean, VE3GRO, joined the meeting at 0930.

Mr Shtun reported he was formulating plans for an RAC membership drive. A mailing of *TCA* to all amateurs would be satisfactory as a starter, but was generally considered not to be very effective. RAC would need a proper campaign with a letter to each amateur, an application form, a return envelope, and possibly a premium of some sort.

Mr Fancy elaborated on the antenna situation in Vancouver and on DOC actions. Mr Shtun then elaborated on the current action under consideration relative to our 220–225 MHz allocation. The Board recessed from 1005 to 1035.

7. Financial Statements. Audited financial statements for 1992 had been distributed. The statements showed a members' equity of \$119,824. A vote of thanks was extended to Mr Loucks for his work as treasurer (applause). Mr. Benson left the meeting at 1055 to keep another appointment.

Moved by Mr Oelke, seconded Mr Gorsline and CARRIED, that the auditor's report be accepted.

8. Auditor's Recommendations. Following the audit, auditors made eight recommendations to the Board. Most of them had been acted upon, and others had little or no relevance in view of the dissolution of CRRL. No further action would be taken on the recommendations.

9. Appointment of Auditors for 1993. Moved by Mr Fancy, seconded Mr Perrin and CARRIED, that the firm of Thomson, Fisher and Bossy, Chartered Accountants of London, Ontario, be appointed auditors for 1993 at a fee to be determined.

10. Wind-up Procedures and Transfer of Assets to RAC. It was noted that CARF would not have an audited financial statement for 1992 until mid-May, and had not produced an audited financial statement for 1991. Mr Loucks presented an unaudited CARF financial statement for 1992, prepared by the CARF General Manager, which showed a loss of \$12,998. The consensus of the CRRL Board was that, regardless of the CARF financial position, CRRL should proceed with merger.

11. Reappointment of Committee Chairpersons. Moved by Mr Anderson, seconded Mr Perrin and CARRIED, that 1992 committee chairpersons be reappointed without change for 1993 as long as CRRL continued.

12. Approval of 1993 Budget. Mr Loucks explained that in view of the short life of the 1993 budget, the 1992 budget had been merely extended *pro rata*. Moved by Mr Snyder, seconded Mr Fancy and CARRIED, that the 1992 budget be extended *pro rata* to cover that portion of 1993 left to CRRL.

13. Appointment of Executive Commit-

tee. Moved by Mr Gorsline, seconded Mr Anderson and CARRIED, that the present Director members of the Executive Committee, namely Directors Perrin and Fancy, continue to represent the Board on the Executive Committee. Mr. Benson rejoined the meeting at 1130.

14. Red Cross Agreement. Mr Oelke and Mr Thivierge reported on progress made in negotiating an across-Canada agreement with the Red Cross to provide emergency communications in the event of a disaster, based on the agreement with the Ontario Division of the Red Cross which had been in effect for some years. This agreement was nearly complete and would be signed in the near future.

15. Use of Amateur Frequencies by Schools in Manitoba. Mr Staines and Mr Snyder reported on a complaint received from Winnipeg ARC concerning the "commercial use of amateur frequencies" for point-to-point voice and television communication by amateurs between schools in Manitoba. Apparently, this had been sanctioned by the Winnipeg office of DOC. Winnipeg ARC considered this to be illegal operation on amateur bands, and was looking to CRRL for guidance on how to handle it. Mr. Ellam would speak with DOC on this matter and Mr Snyder would provide assistance as required.

16. Amateur of the Year Award. Mr Atkins was awarded the 1991 CRRL Amateur of the Year Award. Mr Shtun presented Mr Atkins with an engraved silver tray in recognition of his many years of service to Canadian Amateur Radio.

17. Plaques for Outstanding Service. Mr Shtun presented plaques for outstanding service to 17 CRRL officers and directors as a wind-up tribute from CRRL. Plaques would also be presented at a later date to all Section managers. The Board recessed for lunch from 1215 to 1330.

18. Directors for CARF Publications.

After creation of RAC, CARF Publications, which will continue, will expand its Board to include two former CRRL officers or directors as directors of CARF Publications. CRRL Publications, which will also continue, will do the same with two former CARF officers or directors as directors of CRRL Publications. The CARF nominees for CRRL Publications were Geoffrey Smith, VE3KCE, and Norman Waltho, VE6VW. Moved by Mr Fancy, seconded Mr Perrin and CARRIED, that Mr Atkins and Mr Staines be nominated to CARF Publications by CRRL.

At 1430, the meeting moved into a Committee of the Whole to discuss plans for the first meeting of the RAC Board, to be held on the following day, May 2. The Board resumed at 1700.

19. Closing Remarks. Each person present made brief closing remarks.

20. Adjournment. Moved by Mr Perrin, seconded by Mr Snyder and CARRIED, the meeting adjourned at 1725 EDT. Respectfully submitted, —W. W. Loucks, VE3AR, Secretary ■

Section News—continued from page 25

Otto Desbiens, VE2AOS, has become a Silent Key. Otto was president of RAQI from 1965 until 1968. Sympathy to his family, especially his two daughters, Monique, VE2BJN, and Nicole, VE2BSS. In late February, Richard Gresko, VE2DVI of St-Sauveur, became a Silent Key. He was a renowned musician and composer in the Montreal area, famous for operating QRP with stacked yagis on a 110-foot rotatable tower, and very active in 20-metre DX. VE2IJ attended the memorial service. From CARF Bulletin 03-93: "Queue up for 'Q-calls.' In the past, call signs with suffixes QAA–QZZ were not allocated to individual amateurs. It has now been decided that the following call signs can be released: QAA to QNZ and QVA to QZZ. The remaining three letter call signs QOA to QUZ are reserved for the Maritime Mobile Service and the International code of signals." Radio Amateurs of/du Canada (RAC) will commence on May 2. All radio amateurs across Canada should join the new organization to make it a strong, unified voice for the Canadian Amateur Radio fraternity. The VE2RM Annual General Meeting took place on March 10. Directors for 1993 are VE2s AM, AQI, BMQ, BSQ, DEA, DM and ESK.

Saskatchewan: SM: Joan Lloyd, VE5JML. The amateur population of Saskatchewan continues its steady growth, with 12 new amateurs in the northwest in Unity and area, 10 in Nipawin, 11 in Estevan and four in Regina. This brings the amateur population of Saskatchewan, including clubs, special-event calls and repeaters, to around 1175. Listen for the new calls and voices on all bands. Amateur classes are continuing in Melfort, Grenfell and Weyburn, with exams to be written shortly. The Southwest Amateur Radio Club now meets on the second Tuesday of the month at the Lions Hall in Swift Current. New executive of Moose Jaw ARC is Margaret, VE5MML—president; John, VE5JJP—vice president; Gabrielle, VE5MGP—secretary, and Irene, VE5IMA—treasurer. Three of the four main executive positions in the Moose Jaw Club are held by YLs. Way to go, ladies! New VHF repeaters making their appearance in the next few months: Unity: 147.00 MHz (–), Cactus Lake: 146.91 MHz (–), and Davidson: 147.30 MHz (+). Call signs and dates for starting operation are unknown at this time. As I write, Dayton Hamvention is only two weeks away. I hope to see many of my fellow VE5s and other Canadian amateurs in Ohio. 73.

SO LONG, CRRL, WELCOME RAC!

A message from "Farmer Brown"—Ernie Savage, VE7FB. Ernie is the the longest serving Section Manager in either ARRL or CRRL:

"I look back to the directors I have served under in ARRL: Alex Reid, VE2BE; Noel Eaton, VE3CJ; George Spencer, then-VE2MS, Ron Hesler, VE1SH; Mitch Powell, VE3OT and Tom Atkins, VE3CDM, and to directors I have served under in CRRL: Bill Kremer, VE7CSD, and David Fancy, VE7EWI. Also to Field Services Managers in ARRL: Ed Handy, W1BDI; John Lindholm, W1XX; and Richard Palm, K1CE, and in CRRL: Jack Strangleman, VE3GV, and Ken Oelke, VE6AFO.

"The joining of two great organizations has become Radio Amateurs of/du Canada. My fondest dream has come to pass and I am looking forward to all Canadian amateurs taking an active part in RAC." ■

RAC Meets DOC Deputy Minister

Representatives of Canada's new, single Amateur Radio organization, Radio Amateurs of/du Canada (RAC) had a positive meeting with DOC Deputy Minister Marc Rochon in Ottawa on April 28. Mr Rochon told RAC President Farrell Hopwood, VE7RD, that he had learned a lot from the discussions. He said that many of the issues brought before him could be resolved by working together with DOC people in Ottawa and in the regions. Mr Rochon has been Deputy Minister since 1992 October.

The unlawful restriction of antenna tower heights was reviewed in detail, including a list of municipalities with by-laws that challenge DOC powers. The need for more effective band monitoring and enforcement of regulations was stressed. There was also a need for responsible action by manufacturers and sellers of electronic devices that are not electromagnetic-compatible and susceptible to RF fields.

Special emphasis was placed on the preservation of VHF-UHF amateur bands for the use by our rapidly expanding numbers. RAC is very concerned over the need to preserve our remaining VHF-UHF Amateur Exclusive bands. FCC is pressuring DOC to reallocate the 220–222-MHz segment of the 220–225-MHz band to the Land, Fixed and Mobile service, as FCC did recently in the US. DOC assured RAC that the needs of Canadian amateurs would be an important part of any future decision on the use of this band. DOC will soon issue a paper on the possible reallocation of frequencies in the 30–890-MHz range. At that time, amateurs, among others, will be invited to address the question of 220–225 MHz.

The RAC delegation included President Farrell Hopwood, VE7RD; Vice President Dana Shtun, VE3DSS; Vice President for Government Affairs Earle Smith, VE6NM, Counsel Tim Ellam, VE6SH, and Bill Wilson VE3NR. Deputy Minister Marc Rochon's staff included Bob Jones, Director General, Radio Regulatory Branch; Maurice Nunas, Director, Spectrum Operations; and S. N. Ahmed, Director General, Engineering Programs Branch. A second meeting, on 220–222 MHz matters, also included David Warnes, Manager Long Range Spectrum Planning, and Chris Lafkas, Chief, International Systems, Radio Regulatory Branch. Both are involved in negotiations with the FCC.

DOC reacted favourably to the RAC

proposal for a permanent Amateur Radio Advisory Board composed of key officials of DOC and RAC. It is expected that meetings will be held at least twice a year beginning in the fall of 1993.

NEW RIC-25

DOC has issued a revised version of RIC-25, "Rules and Regulations Affecting the Amateur Service". The new RIC is dated 1993 March 1.

WORLD CLASS IRONMAN '93

The Okanagan Valley Amateur Radio Communicators Group (VARCOM) and the Penticton (British Columbia) ARC are providing communications for the World Class Ironman '93, which will take place in the Okanagan Valley on Sunday, 1993 August 28. Over 1000 people are expected to participate in this event, which consists of a 2.4-mile swim, a 112-mile bicycle race, and a 26.2-mile marathon run.

This is an all-day event, running from seven in the morning until midnight. VARCOM will be organizing some 42 stations into four or five nets to handle communications needs. They expect to organize the operators in shifts throughout the day.

Administrator of communications for Ironman Canada '93 is G. A. Holden, VE7IH. He wishes to recruit Amateur Radio operators with two-metre equipment who plan to be in the South Okanagan Valley over the weekend of August 28–29. For further information, contact VE7ALV, VE7DMZ, VE7EIR, VE7HPR, VE7LG, VE7IH, VE7KC or VE7RIP.

AMATEUR RADIO PROVIDES LINKS WITH BOSNIA

On 1993 March 2, *The Globe and Mail* reported as follows:

"From a cramped, smoky Belgrade room, a dozen ham radio operators keep alive lifelines and bring a little peace of mind to people stranded on either side of the front in the Bosnian civil war.

"On a recent afternoon, a voice with a strong Sarajevo accent came onto the airwaves. The same man calls every day at three p.m., sharp.

"Let's go, buddy," the voice said.

"OK, Arci. Let's go," answered Karlo, an operator in Belgrade, capital of Serbia and of the remnant of Yugoslavia.

"After a few seconds of electronic fiddling, telephones on both ends were patched through the radios. Amer, a Sarajevo Muslim, was on the line with a friend

of his girlfriend, a Serb from Sarajevo who is now in Belgrade.

"Does Vesna still love me?" Amer asked in a trembling whisper.

"Of course she does. Don't worry," came the reply.

"A few words more, greetings to friends, and then it was time for the next call. The operators work all day, with connections to almost all big towns in Bosnia, Belgrade operator Ivan Todorovic said. All lines are open for Sarajevo every day from three to six p.m.

"Despite the war, there is no interference from governments. Sometimes the Sarajevo operators sign off briefly while they transmit military messages.

"The most frequent visitors to the Belgrade studio are women refugees. About 60 per cent of visitors are Muslims."

ARDF WORLD CHAMPIONSHIP

The Sixth World Amateur Radio Direction Finding Championship was held in Hungary on 1992 September 8–3 1992 under the auspices of IARU.

In the 3.5-MHz division, the winners were from Ukraine, Russia, China, Germany, Hungary and Czechoslovakia. In the 144-MHz competition, top places were taken by Ukraine, Russia, Hungary, Czechoslovakia and China. There were 185 participants from 23 countries, including Austria, Bosnia-Herzegovina, Bulgaria, Croatia, France, Korea, Latvia, Macedonia, Mongolia, Norway, Poland, Rumania, Sweden, Switzerland, the United Kingdom and Japan.

According to *JARL News*, the Japanese team was particularly impressed by strength and speed of competitors. They said they felt "left out" when it came to reading maps accurately.

7,700,000 RADIO STATIONS IN JAPAN

According to *JARL News*, Japan's Ministry of Posts and Telecommunications figures show an increase of over a one million radio stations in the past year. These include:

Ground mobile stations	3,660,863
Simplified radio stations	2,484,431
<u>Amateur Radio stations</u>	<u>1,222,214</u>
Total	7,367,508

The breakdown by use of stations is:

Business communications	2,182,781
Personal use	1,687,820
Amateur Radio	1,222,214
MCA	607,327
Land transport	483,306 ■

Issues for the Future

As you read elsewhere in this issue of *QST Canada*, we are now in the throes of setting up RAC.

This will be the last VHF-UHF column in *QST Canada*. But fear not. The column is alive and well, and will appear in the July-August issue of *TCA—The Canadian Amateur*.

In the meantime, I have taken some time out of my busy schedule with the merger to knock off a small column this month, to point the way to the future.

We do face many issues down the road. Many of the major ones concern VHF-UHF and above. Our 220–222-MHz subband is under scrutiny by DOC, thanks to the pressure from the US FCC. Of course, we all expected this to happen, since we share such a long and RF-transparent border, with an attendant “coordination” zone extending 75 miles to each side of it. With most of Canada’s population living within this zone, you can imagine the anguish I feel when faced with the issue of how to treat our 220–222-MHz subband.

We do have some angles to explore as DOC prepares for public consultation on this issue. We did have a very good meeting with DOC in Ottawa on April 28 (see the Happenings column in this issue of *QST Canada*). We will be working on comments with Earle Smith, VE6NM, and Bill Wilson, VE3NR, all under the RAC banner.

We will attempt to retain the 220–222-MHz subband for amateurs in Canada, and to coordinate packet operations—point-to-point high-speed links—in there. If you packet enthusiasts have something to add on this, I would greatly appreciate your input.

BAND PLANNING

The existing CRRL band plans will carry over into RAC, as will the CRRL/ARRL VHF-UHF Advisory Committee structure. We will be looking at changes for later, but all in good time. Please look for RAC band plans shortly, on packet and in future columns. Remember that the only way to “keep the peace” on our bands is to obey the spirit and the letter of our Canadian band plans in a sociable and responsible manner. That’s what Amateur Radio is all about.

ACTIVITY REPORTS

Due to the merger business I am a bit shy on reports this month! Dick, VE3FAC, tells me that he has shipped a number of AM-6155 500-watt amplifiers

for 144, 220 or 432 MHz to northern Ontario, and that many of the fellows in FN07, FN08, FN09 and other grid squares will be active during the summer. Dick reminds everyone that he still has a quantity of amplifiers available at \$200 a pop, so “get ’em while they’re hot!” I’ve been running one on 222 MHz for several years now. They sure are neat self-contained rock crushers!

VE3DSS caught a good aurora on April 5. Among the contacts made with just 70 watts and 14 elements on 144-MHz CW: W4DR (FM17), AB3D (FM29), KM1X (FN41), K4QIF (FM07) and VE1MQ (FN66). The “buzz” was strong in Toronto between 0137 and 0203 UTC. This summer, we will be looking for more aurora, along with tropo, meteor scatter and Sporadic E openings on 50, 144 and 222 MHz!

JUNE CONTEST

Don’t forget to participate in the ARRL June VHF QSO Party, June 12–14, starting at 1800 UTC. All modes, CW, SSB and FM simplex, are welcome. Operations must conform to the CRRL/RAC band plans. Send your original logs to ARRL, 225 Main Street, Newington, CT 06111. Then send a copy of your cover sheet to VE3DSS at the address above to qualify for the VE3ONT Toronto VHF Society awards. Also look for VE3ONT operating from FN25, with Dennis, VE3ASO, and crew at the controls! Canadian June VHF contest results will appear in *TCA* later this year.

Later this year, plan to participate in the the ARRL UHF Contest in August, the September ARRL QSO Party, and the “new” RAC Fall Sprints.

SOME PERSONAL NOTES

That’s it for now. It has been a great five years with *QST Canada*. I now look forward to bigger and even better things in RAC’s new and enhanced *TCA—The Canadian Amateur*. Please continue to send me activity reports, contest results and photos, and any construction hints and kinks that you may have. We welcome reports from CW, SSB, ATV, FM and packet operators across Canada. This is and will continue to be *your* column.

A NEW BEGINNING

It has finally happened! Canada has a new unified Amateur Radio society, Radio Amateurs of Canada, or *en français*, Radio Amateurs du Canada.

Either way, it’s RAC.

It’s been a long and tortuous path, bringing things to a conclusion over the past four years, but I believe it has been worthwhile. The interests of Canadian amateurs and of Amateur Radio in general will be well served by the new organization.

Let’s create an organization that puts the growth and development of Amateur Radio first: one that is responsible to the membership, and one that does not place the needs of its executive or board of directors ahead of the needs of the Canadian Amateur Service. I think that we have demonstrated this approach as we worked towards creating RAC, and I think that over the next 15 months, the interim RAC executive and board of directors will also demonstrate this.

RAC members will have a chance to voice their opinions through their board of directors, and in the fall of 1994, through the election process. That is when when the RAC by-laws state that elections must be held to choose a new board.

This is not to say that the current motley crew of ex-CRRL and ex-CARF directors and officers are deficient. No indeed! They are very capable, intelligent, hard working people. You may decide to keep them around. But the choice will be yours.

Meantime, I am personally feeling a little burnt out due to the workload that has now climaxed with the merger. Also, I have had a few other issues come up on the personal side. But with the help of people like George Gorsline, VE3YV; Tim Ellam, VE6SH; George Spencer, VE3AGS; David Adams, VE3HBF, and of course, the ever-present Ray Staines VE3ZJ, along with all the others in our CRRL family, I was able to get through it all. My sincere thanks to all of them, and to all of you, our members, for your overwhelming vote in support of the merger, and for “hanging in” with your membership renewals.

Now as RAC gets going, I have been asked to undertake a membership campaign. RAC needs new members, from the large group of Basic licensees and from all those who joined neither of our divided organizations in the past. We have much to do to defend Amateur Radio interests. There are tower by-laws, licensing issues, electromagnetic compatibility issues, and the very continued existence of our bands. Please help by getting your friends and fellow amateurs to sign up with RAC. —Dana Shtun, VE3DSS, President, CRRL, and Vice President, RAC ■

RAC 1993 Canada Day Contest

This is the very first contest to be held under the sponsorship of Radio Amateurs of/du Canada (RAC). A large turnout by Canadian amateurs from coast to coast is expected.

Previously, the Canada Day Contest was a project of the Canadian Amateur Radio Federation (CARF). It takes place each July 1, the anniversary of Canadian confederation. Radio amateurs all over the world are invited to join in this birthday party on the air.

Contest Period:

0000–2400 UTC, 1993 July 1

Bands and Modes:

160–2 metres, CW and phone (SSB, AM, or FM)

Suggested frequencies for CW are 25 kHz up from the lower band edge. Suggested frequencies for SSB are 1850, 3775, 7075, 7225, 14175, 21250 and 28500 kHz.

Exchange:

Canadians send RST and province or territory. Foreign and VEØ send RST and a sequential serial number.

QSO Points:

Any station may work any other station for QSO points. You may work the same station once on each band and mode. Canadian stations count for 10 points. Maritime Mobile (VEØ) stations count as Canada. Canadian stations with an RAC, VCA or QST suffix count for 20 points. Stations outside of Canada count for two points.

Multipliers:

Each Canadian province or territory (12 in all) counts once on each band and mode. The multipliers are Newfoundland (VO1, VO2), Prince Edward Island (VE1, VY2), Nova Scotia (VE1, CY9, CYØ), New Brunswick (VE1), Quebec (VE2), Ontario (VE3), Manitoba (VE4), Saskatchewan (VE5), Alberta (VE6), British Columbia (VE7), Northwest Territories (VE8), and Yukon Territory (VY1).

Scoring:

Total score equals total QSO points multiplied by multiplier points. For example:

QSO points:	
100 VE/VO/VY QSOs	= 1000
10 RAC/VCA/QST QSOs	= 200
100 DX QSOs	= 200
210 QSOs	= 1400

Multipliers:

phone = 20, CW = 30, total = 50

Final score:

1400 x 50 = 70,000 points

Awards:

Certificates for the top-scoring entrant

in each province, territory, US call area and DXCC country in each of the following categories:

- single-operator, all bands
- single-operator, single band
- single-operator, all-bands QRP
- multi-operator

QRP operation is five watts output or less. Single operators who receive multiplier-spotting assistance from DX spotting or packet cluster networks are classed as multi-operator entries. There are no single mode categories

Entries:

Entry forms are available from RAC at the address given below, but are not necessary. Entries must contain a summary sheet showing score calculation, a dupe sheet listing calls worked by band and mode, a multiplier checklist, and log sheets showing time, band, mode, call, exchange received, and QSO points claimed for each QSO. Multipliers should be clearly marked. Send entries to RAC, Box 356, Kingston, ON K7L 4W2 by 1993 July 31.

Results:

Results will be published in *TCA—The Canadian Amateur* for November 1992.

ST PAUL ISLAND DXPEDITION

Once again, the West Island ARC (WIARC) of Montreal is planning a DXpedition to St Paul Island, really two small, presently uninhabited islands off the northern tip of Nova Scotia (IOTA NA-94). The WIARC group plans to operate CW, SSB, and RTTY from this DXCC country, using the call CY9CWI (Club West Island) as they did on their previous DXpedition in 1991. On that occasion, they operated from the smaller northern island. This time the larger southern island will be activated for the first time.

Operators will be Benoit, VE2JBF; Alain, VE2DAV; Mark, VE2PTT; Mark, VE2HVW; Reg, VE2AYU; Jean-Claude, VE2JCX; Andrew, VE2WHO, and Fred, VE2SEI.

Operations are scheduled to start at 0000 UTC, Saturday, 1993 August 14, and continue through to August 18. However, reaching the island involves travel by fishing boat, and being able to get on and off the island depends entirely on weather and sea conditions. Therefore, times and dates are tentative.

Look for CY9CWI at or near the following frequencies: CW: 1.835, 3.505, 7.040, 10.120, 14.035, 18.105, 21.040, 21.120 and 28.050 MHz; SSB: 1.840,

3.780, 7.205, 14.195, 18.130, 21.295, 24.490 and 28.395 MHz; and RTTY: 3.590, 7.040, 14.090, 21.090 and 28.090 MHz.

QSLs may be forwarded to WIARC, Box 884, Pointe Claire/Dorval, PQ H9R 4Z6. For more information, contact Fred Archibald, VE2SEI, 130 Embleton Crescent Pointe Claire, PQ H9R 3N2. ■

June Contests

CQ WW WPX Contest – CW –
May 29–30

ARRL June VHF QSO Party –
June 12–14
See p. 125, 1993 May QST
for details

All Asian DX Contest –
June 19–20

ARRL Field Day –
June 26–27
See p. 123, 1993 May QST
for details

RAC Canada Contest –
July 1

Silent Keys

Conducted by Ray Staines, VE3ZJ

It is with deep regret that we record the passing of these amateurs:

VE3AYZ, William Les Harris, Thunder Bay, ON
VE3BBI, Ced Tanner, London, ON
VE3BZI, George F. Brunet, London, ON
VE3CGV, Henry Bruhlman, Chatham, ON
VE3CJA, Armand J. Braid, Kingston, ON
VE3CPG, Joe McKinley, Ottawa, ON
VE3FAX, Norman Conklin, Don Mills, ON
VE3HD, Ernie A. Welling, Nobleton, ON
VE3IRB, Hugh Hord, Uxbridge, ON
VE3KO, Tom B. McKee, Kinmount, ON
VE3THC, Horace Caudrey, Scarborough, ON
VE5NK, Joseph Rivet, Caron, SK
VE7AC, Sydney T. Jones, Duncan, BC
VE7EL, Albert Porter, Thetis Island, BC
VE7RU, Edward Baloun, Powell River, BC

Note: Silent Key reports sent to *QST Canada* must include name, address and callsign of the reporter. To avoid unfortunate errors, reports are confirmed only through acknowledgement from the family of the deceased. Thus, those who report a Silent Key may not receive an acknowledgement from *QST Canada*. ■

W-21AT

One of the best sellers at Dayton this year was ICOM's W-21AT dual band handheld. The W-21AT has a large LCD readout with CTCSS encode and decode, digital paging and code squelch, dual band simultaneous receive, and the ability to listen to 2 VHF or 2 UHF frequencies at the same time. Also (for example), if you are listening to 2 UHF frequencies, with the touch of the BAND button, you can instantly be transmitting on either of the frequencies of your choice.

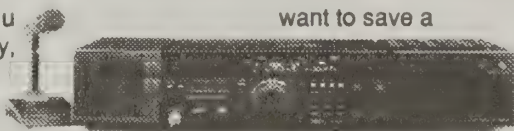


New for any handheld is the "Whisper Function". The Whisper Function allows you to run full duplex without the need of an external speaker or headset. The keypad and display are backlit for nighttime operation. The W-21AT has 2 watts power output, but up to 5 watts is available when used from 12 VDC. You also get a belt clip, antenna, and wall charger; everything you need to get on the air right away.

IC-737 HF *NEW!*

ICOM's new IC-737 gives you the most desired features at a most desirable price. Look at the features that ICOM has included. The latest innovation is "Memo Pads". Each time you

frequency, simply push the memo



want to save a

pad write switch. The frequencies and modes are stored in memo pads, and you can continue band searching. If you want to recall the frequency and mode, push the memo pad read switch several times. The stored frequency and mode are called up sequentially.

- 2 Antenna connections
- Full Break-in (QSK)
- Automatic Antenna Tuner 160-10M
- DDS Direct Digital Synthesis
- Internal Automatic Keyer
- Direct frequency entry
- Retain your last selected frequency as you change bands
- Pass Band Tuning
- Notch Filter
- 101 memories
- 100 watts output

30 DAY PRICE PROTECTION POLICY

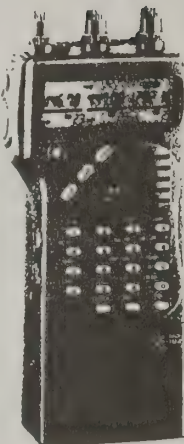
If you see the same item (over \$250) priced lower at any of our competitors, send us proof and we will immediately credit you with the difference PLUS 10% of that difference as a thank you for pointing it out to us. No need to phone 6 different stores, we'll guarantee the lowest price.

Does not apply to Out of Business sales, Closeouts, Store Demo's, 1 Day Specials, B Stock, and Manufacturer's Price Reductions. The item must be in stock.

ICOM IC-DELTA 1

Three transceivers in a single body! The Delta 1 are the first VHF/UHF triband handheld in the amateur world. The 144 MHz, 430(440) MHz and 1200 MHz band units are included in one compact body. Triple band operation in the palm of your hand.

The Delta 1 have 3 independent band units in a compact body with a newly designed triband antenna. 3 bands can be received simultaneously and the large display show 3 operating frequencies, S-meters, and selected memory channel numbers. 3 main dials and 3 volume controls provide independent control of each band. The separate controls allow scanning on one band and operation on another. Also, you may set the offset frequency, power saver on/off, and duty rate, scan resume condition, priority watch etc. for one band without affecting the others. 78 memories, Built-in DTMF encoder/decoder, 4 DTMF memories and most importantly the LCD readout has 4 levels of contrast.



TH-28A

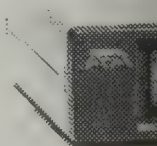
Check out the NEW TH-28A handheld from Kenwood. We thought that we had seen everything Kenwood has done it again!

- Alpha-numeric message
- Transmit and Receive Alpha-numeric messages
- Receive UHF as well as 174MHz
- Alpha-numeric memory display (program Repeater call sign)
- DTSS squelch
- DTMF paging
- CTCSS encode and decode
- 250 Memories with ME-1

AEA PK-900

Now, there's a new standard in digital controllers...the new PK-900 also features dual band, low cost 9600 baud plug-in DCD state machine circuit system; zero crossing detection; FAX you've ever seen; and selectable features.

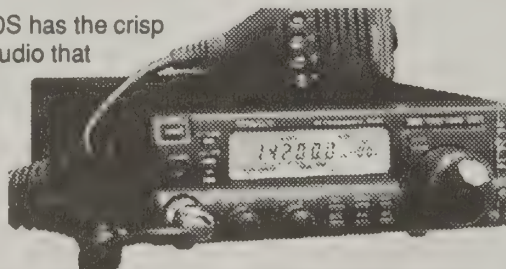
Factor, and up to 19.2 Kbaud. all of this means is that you get that has exceptional filtering. The PK-900's Channel 1 demo performance Bandpass Filter design. The eight pole Channel software selectable center frequency, and the Discriminator that offers six software selectable tone pairs. other tone pairs are desirable. changing 6 resistors per tone. detection linear phase low rates from 45 to 2000 baud.



KENWOOD TS-50S

Another best seller at Dayton this year! Have you always wanted to go HF mobile, but it seems pretty difficult to get the TS-450 in the Honda? Well, have a look at the **NEW TS-50S** from Kenwood. You will find most of the features of the TS-450S, but at a quarter of the size. 100 watts, 100 memories, IF Shift, AIP, Dual VFO's, AM, FM and split frequency operation.

The TS-50S has the crisp transmit audio that Kenwood is famous for! Most of the frequently used functions are available from the front panel, while the microphone has 4 function keys that you can program for your most favourite functions.



We even have one of our customers using his with a TL-922A 1 KW linear amp. Get three or more of your friends together for special pricing. Give us a call to discuss the details. 7" x 2.25" x 9"

INTERMOD FILTERS \$99

All new wideband receivers and Handhelds experience some amount of interference from intermod. Reduce your problems with our Intermod filter from Texpco! Ask the Hams who worked the Station at the CNE! Without this filter, 2M operation would have been next to impossible.

- 4MHz bandpass (144-148MHz)
- Can be turned on & off as desired
- Only requires 12VDC
- Installs in feedline to antenna
- No modifications required to your transceiver
- Made in Canada

ARRL REPEATER DIRECTORY

No Ham should be without it. The Repeater Directory covers everything from 29MHz and up including packet, TV and more.. 93/94 Edition in Stock

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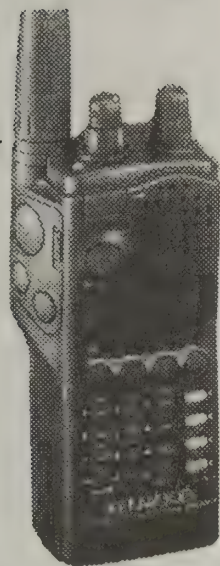
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for the sharpest Gray Scale
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operation are optional. What
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Limiter - Discriminator
hev bandpass filter has a

from 170 to 1000 Hz. If
ey may be substituted by
air. The six pole post
s filter is optimized for data



PERIPHEx REPLACEMENT BATTERIES

BATTERY POWER FOR HT's

More battery power for less money! Hard to believe, but have a look at the Periphex batteries. Made with matched cells, these Super Packs feature short circuit and over-charge protection!

Example:

ICOM	BP-85 12Volts, 350maH	\$125
Periphex	BP-85S 12Volts, 700maH	\$95

Kenwood	PB-13 7.2V 700maH	\$69
Periphex	PB-13S 7.2V 1200maH	\$75

Yaesu	FNB-14 7.2V 1000maH	\$75
Periphex	FNB-14S 7.2V 1400maH	\$85

ICOM	BP-7S 13.2V 1200maH for 02, 2G, 32AT etc	\$85
	BP-8S 9.6V 1200maH for 02, 2G, 32AT etc	\$85
	BP-83S 7.2V 750maH 2Sat, 24at, 2Sra, W2	\$59
	BP-84S 7.2V 1400maH 2Sat, 24at, 2Sra, W2	\$85

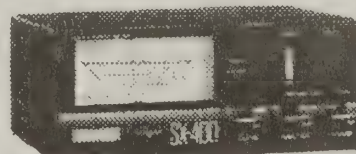
Kenwood	PB-7S 7.2V 1400maH for TH25/26/75/77	\$85
	PB-8S 12V 800maH for TH25/26/75/77	\$85
	PB-14S 12V 400maH for TH27/47/28/78	\$75

Yaesu	FNB-14S 7.2V 1400maH for FT470/411/811/911	\$85
	FNB-26S 7.2V 1400maH for FT415/815/530	\$90
	FNB-27S 12V 600mah for FT415/815/530	\$90

DIAMOND SWR METERS

SX-400

The Diamond SX-400 SWR/Power meters are excellent value for the money. The SX-400 covers 140-525 MHz, with power scales of 5, 20, or 200 Watts and an accuracy of plus or minus 5% at full scale. No shack should be without an VHF/UHF SWR meter for checking power and antenna match.



SX-600

The Diamond SX-600 SWR/Power meter covers 1.8-160 MHz on one sensor and 140-525 MHz on the other sensor. Maximum power measurement is 200 watts (scales are 5, 20 and 200 watts) and you can keep the HF rig and the VHF/UHF rig connected to the SX-600 at the same time. Checking SWR or Power is just a matter of changing the sensor switch to the band you need to check.



ATLANTIC HAM RADIO SWEEPSTAKES OVER \$10,000 IN PRIZES

NOVEMBER 1992 - DECEMBER 1993

Callsign _____
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Address _____
City _____
Postal Code _____
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Monthly draws last Saturday of Month (Noon) Nov. 92-Nov 93.
Main Draw Sat. Dec 18/93 (Noon).

SUPER PRIZE	FT1000 HF XcVR
FIRST PRIZE	2 WEEKS IN SARASOTA CONDOMINIUM
SECOND PRIZE	ICOM DELTA 1HANDY (2M, 440, 1.2GHz)
THIRD PRIZE	KANTRONICS KAM ALL MODE TNC

APR 93 WINNER HARRY OLLESCH VE3HOU
MAY 93 PRIZE KANTRONICS KPC 3 PACKET CONTROLLER

Monthly Prizes consisting of Handhelds, Packet Controllers, Antennas and other accessories. Draws will be held the last Saturday of each month. All Ballots received during that month will be eligible for the monthly draw. All entries will be eligible for the Grand Prize Draw to be held on December 15, 1993. Effective Nov 1, 1992, you will receive 1 (one) entry ballot for every \$100 you spend with us. Other entry ballots will be in this magazine and other printed matter.

YEASU NEW FT-416

Yaesu presents the new FT-416 with a new ergonomically sculpted case that fits your palm like a friend's handshake. New ridged control knobs with numbered Volume insure perfect tuning. There's a new molded PTT with functions so perfectly aligned they respond to the slightest thumb flex.

Packed with features, the FT-416 has built-in VOX, four-way scan, the largest, brightest DTMF key pad in its class and Yaesu's famous "Straight A's": ATS--Advanced Track Tuning; ABS--Automatic Battery Saver; and APO--Automatic Power Off. Power out is up to 5 watts when you are using 12 VDC. Included at no extra charge is CTCSS encode/decode, 41 memories (odd splits on any channel), 4 power levels, backlit Keypad and Display, and compatible with most FT-530 and FT415 series accessories.



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prior to GST. (ie. PST is NOT calculated on top of GST, only on the total including shipping.) Please add 2% for VISA MC.

New DXCC Countries

Three new countries have been added to the ARRL DXCC Countries List, with effective dates as follows:

Czech Republic (OK)—1993 January 1
Slovenia (OM)—1993 January 1
Macedonia (4N5)—1991 September 8

Also two countries have been deleted:

Abu Ail Islands—1991 March 31
Czechoslovakia—1993 January 1

We are awaiting a ruling on two recent operations. The DXCC status of P5RS7, North Korea, awaits the receipt of additional documentation. Cards are not being accepted for credit at this time. DXCC Country status for Eritrea is still being considered. Cards are not being accepted at DXCC for Eritrea, but will be credited for Ethiopia at any time.

The number of active countries on the ARRL DXCC Countries List is now 327. Cards for Slovenia, Czech Republic and Macedonia will be accepted for DXCC credit only after 1993 June 01.

THE GLUE THAT BINDS US

We meet at clubs, fleamarkets, ham-

feasts and on the airwaves. We interact at local, national and international levels. We come from all walks of life, and our collective interest is Amateur Radio. This is a unique hobby, unfettered by time and space, or the impediments of politics and religion. World space travellers are we, ambassadors of our countries.

Club newsletters record our collective efforts and interests, and unite us. Our national magazines portray our collective psyche. Achievements of others are chronicled. Milestones along the way are recorded. Magazines and newsletters help bind us together.

The historical moment of creating a single Canadian Amateur Radio organization has finally arrived. This is a tremendous achievement for Canadians. A span of time representing "spark to space", an emotional transition for some, a step considered timely by many.

Amateur Radio is beset by many problems, both at the local and the national level. We need to be as one, when such issues as antenna restrictions and RF energy conflicts plague us. At this point,

recommendations and thoughtful solutions need to be advanced in a firm format.

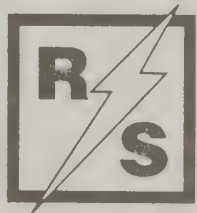
At the international level, private interest groups are demanding more radio spectrum as science and technology continue to evolve. ITU radio conferences will soon be convened at regular intervals. It is at these conferences that Amateur Radio interests must be defended. This requires resources—talents and funds. These resources must be found within the Amateur Radio community.

Perhaps a self examination, an inventory of our resources, would be helpful at this time. Let us examine how we fit in at the individual level as well as at the local, national and international level. Let us be aware of our radio heritage. Let us "put back" into the hobby for all we "took out" and have gained from it. Let us strive to become better informed. Let us try to be ready for our new organization. Let us support Radio Amateurs of/du Canada (RAC) with our active membership.

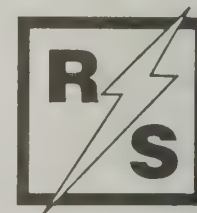
Radio Amateurs of/du Canada—a super glue that will bind us together! ■

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KENWOOD

ICOM

TELEX hy-gain

AND MANY, MANY MORE!

Propagation Forecasts for Canada

Propagation forecasts by VE3VIA, now appearing in *QST Canada*, have been specifically calculated for five regions of Canada.

The Atlantic predictions should be used by operators between 50° West and 70° West longitude, and south of the 55° North parallel.

The Eastern predictions are to be used by operators in the area between 70° West and 90° West, and south of 55° North.

The Central predictions have been calculated for operators living south of 55° North, and between 90° and 110° West.

The Pacific predictions are customized for operators living between 110° and 130° West, and south of the 55° North.

The North predictions have been calculated for an area centred on 62.5° North and 120° West.

The targets, Europe, South America, etc, were chosen to approximate those used by ARRL for its monthly forecasts published in *QST*. The number in each square is the band that the operator should use first to try to make a contact with a target area. If the cell contains an X, the possibility of a contact is extremely remote on any band.

Usually the band shown in the cell is the best possible, but if the solar flux is not as forecast, feel free to try another band. You should first try the higher band, then the lower one. For example, if the forecast says that 40 metres is the best band for a particular target and you wish to experiment, try 20 metres. It may happen that 20 metres is very close to the Maximum Usable Frequency (MUF), but you might still establish a contact. When a frequency is too close to the MUF, the chances of making a contact are less than if you are using the frequency shown on the chart. The frequencies listed in the table are very close to the Optimum Working Frequency (OWF), which is the optimum frequency for an exchange of traffic.

Questions and suggestions are welcomed. Contact Jacques d'Avignon, VE3VIA, 459 Leitch Drive, Cornwall, ON K6H 5P7. ■

Propagation Forecasts for 1993 June 15–July 15

UTC	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Atlantic to:																								
Europe	30	30	30	30	30	X	X	X	X	X	20	20	20	17	17	20	20	20	20	20	20	20	20	30
S. America	20	20	30	30	30	30	30	40	40	40	30	20	20	17	17	17	17	17	17	20	20	20	20	20
S. Africa	20	30	30	30	X	X	20	20	15	15	15	15	17	17	17	17	17	17	17	17	17	17	17	17
S. Pacific	17	17	20	30	30	30	30	30	30	30	30	30	20	X	20	X	X	X	17	17	17	17	17	17
C. Asia	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Eastern to:																								
Europe	20	20	30	30	30	20	20	20	20	20	20	20	20	20	20	17	17	20	20	20	20	20	20	20
S. America	20	20	20	30	30	30	30	30	40	40	30	30	20	20	17	17	17	17	17	17	20	20	20	20
S. Africa	30	30	40	40	40	20	X	X	X	X	X	17	17	17	17	17	17	17	17	20	20	20	20	30
S. Pacific	17	17	17	20	20	20	20	30	30	30	30	30	30	17	20	20	20	15	15	15	15	15	17	17
C. Asia	20	20	20	20	20	X	X	X	X	X	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Central to:																								
Europe	20	20	30	30	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
S. America	20	20	20	20	30	30	30	30	30	30	30	20	20	20	17	17	17	17	17	17	20	20	20	20
S. Africa	30	30	40	40	40	X	X	X	X	X	X	X	X	X	17	17	17	17	17	17	20	20	20	20
S. Pacific	15	15	20	20	20	20	30	30	30	30	30	30	30	20	20	20	20	17	17	17	17	17	15	15
C. Asia	20	20	20	20	17	17	X	X	X	20	20	20	20	20	20	20	20	20	20	20	20	20	20	X
Pacific to:																								
Europe	20	20	30	30	30	30	30	X	X	X	X	X	X	X	20	20	20	20	20	20	20	20	20	X
S. America	20	20	40	40	20	30	30	30	30	30	30	20	20	20	20	17	17	15	15	15	15	15	20	20
S. Africa	20	30	40	40	40	20	20	20	X	X	X	X	X	X	X	20	17	17	17	17	17	20	20	20
S. Pacific	20	20	20	20	20	20	20	30	30	30	30	30	30	30	20	20	20	20	17	17	17	17	20	20
C. Asia	20	20	20	20	X	X	X	X	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
North to:																								
Europe	20	20	20	20	20	20	20	20	20	X	X	20	20	20	20	20	20	20	20	20	20	20	20	20
S. America	20	17	17	20	20	30	30	30	30	30	30	30	30	20	17	17	17	17	17	17	20	20	20	20
S. Africa	X	20	30	30	30	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
S. Pacific	17	20	20	20	20	20	20	20	30	30	30	30	30	30	20	20	20	20	20	17	17	17	17	17
C. Asia	20	20	20	20	17	17	17	17	17	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20

PREPARED BY JACQUES D'AVIGNON, VE3VIA

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Reflections...

A personal review of Canada's Amateur Radio organizations.

By Tom Atkins, VE3CDM
55 Havenbrook Boulevard
Willowdale, ON M2J 1A7

Since the early 1920s, the Canadian Division of the American Radio Relay League (ARRL), otherwise known as the Canadian Radio Relay League (CRRL)—not a new name, as a look at the November 1923 issue of *QST* will show—has acted as the national and international representative of Canadian amateurs.

It all started when the American Radio Relay League, at the request of Canadian amateurs, invited Canadian amateurs to become part of its organization as a distinct Canadian entity. A few years later, Canadian amateurs were among the founders of the International Amateur Radio Union (IARU) in Paris in 1925. IARU was to become the global watchdog and lobbyist for Amateur Radio. We Canadians have actively participated in IARU activity for the past 68 years.

At the time of the ARRL invitation in 1920, we had just a few amateurs spread across this vast country. It was stated unequivocally that at such time as Canadian amateurs wished and were ready to form a separate Canadian organization, they would have the blessing and the support of ARRL.

During the thirties, forties, fifties and early sixties several unsuccessful attempts were made to form such an organization. Meanwhile the Canadian Division of ARRL—CRRL—was there to speak for Canadian amateurs and work on their behalf.

However, in 1967, as Canada's centennial approached, a few interested amateurs, headed by several officers of the Radio Society of Ontario (RSO) and supported by this organization, set up a meeting in Winnipeg. Out of this meeting the Canadian Amateur Radio Federation (CARF) came into being. This was a federation of provincial societies, not including Quebec. It was at this time that I became involved in several RSO projects. I had returned to Amateur Radio after an absence of 15 years absorbed by university, job and family.

It was evident in the early years of the Federation, when I was serving as its first Ontario (Central) director, that any truly representative organization must have individual grass roots membership. After a great deal of discussion, this came about in 1975. The name, however, was not changed to reflect the fact that it was now composed of individual members. It continued to be known as the "Federation".

The activities of CARF continually expanded. It became more diverse. Membership grew steadily. The magazine *The Canadian Amateur—TCA* was launched. It has grown in size and stature over time. Last year, CARF celebrated its 25th anniversary.

From the early 1920s until 1967, Canadian amateurs had been represented, both nationally and internationally, by the ARRL Canadian Division Director. The emergence of CARF now meant that there were two national societies seeking the support of Canadian amateurs.

As a free enterpriser, I have always believed in competition. I know that the presence of both CRRL and CARF resulted in greater effort and better service for all Canadian amateurs. Unfortunately, what was healthy competition for the hearts and pocketbooks of Canadian amateurs degenerated at times into totally unnecessary name-calling and unpleasantness. This was a distressing period which is now well behind us.

I would note that the existence of two organizations side by side is not unusual. There are many countries with two national Amateur Radio societies. But while competition brings certain benefits, it is not the most efficient way of managing amateur affairs in a country as large and diverse as Canada. This is especially true when the number of volunteers willing to serve organized Amateur Radio is small to begin with. It is far better to have every one on a single team.

It has always been an important personal goal for me that we should one day put together a single, strongly supported Canadian national Amateur Radio body. During my years at the helm of CRRL, with the help of very supportive CRRL and ARRL boards of directors, we embarked on a five-year plan. This included the launching of our own Canadian magazine, *QST Canada*; and working towards the full legal independence of CRRL which was finally achieved in 1988.

This step, we all felt, was an important prerequisite for joining with CARF in the creation of a new, single organization. I would note that, in practical terms, CRRL was always independent, having been run successfully for the previous 67 years by Canadian amateurs without any outside influence.

Concurrent with the implementation of the five-year plan, a special joint CRRL-

CARF study regarding merger was undertaken, culminating in a report to both the CRRL and CARF boards of directors in 1986. This was the first real step on the road towards the creation of a single organization, which has now been achieved.

The new era begins with the coming into being of Radio Amateurs of Canada/Radio Amateurs du Canada (RAC), as the single national and international voice of the Canadian radio amateurs. To everyone who, since the beginning in 1920 to the present day, has given time, expertise and enthusiasm to Canadian Amateur Radio—and this includes our friends in ARRL—we all owe a debt that can never be repaid. The list of names—I call it the Honour Roll—includes many distinguished radio amateurs. I have deliberately avoided singling them out, so as not to overlook someone, but I will make two exceptions:

Noel Eaton, VE3CJ, was a President of RSO, and for so many years Director of the Canadian Division of ARRL. Noel later became President of IARU and led the IARU Observer Team to a major victory in Geneva at WARC-79, gaining amateurs worldwide new bands at 10, 18 and 24 MHz. Noel is now President Emeritus of IARU. Art Blick, VE3AHU, was the first President of CARF, a President of RSO and an Ontario Amateur of the Year. His foresight and tenacity led to the creation of CARF.

The people who have striven for so long to make everything happen have already done the hard work. It is now up to each Canadian amateur to make sure that he or she is a full member of RAC, and is available for the many tasks that lie ahead to make that organization a success.

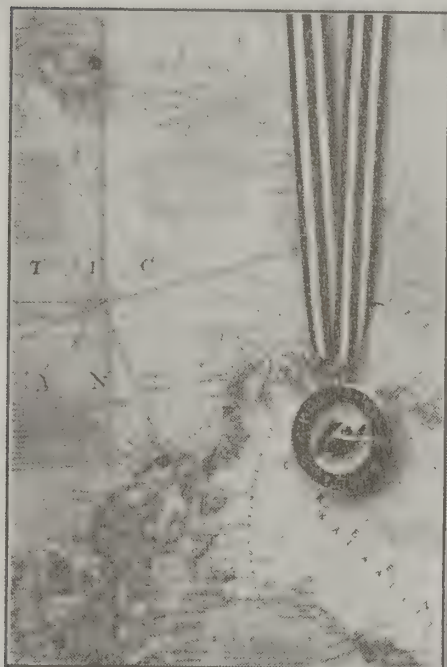
On a personal note, though the road has not always been easy, I would like to say "thank you" for the friendship and support I have had from so many of you over the years. That has been my greatest reward.

Tom Atkins, VE3CDM, has given more than 25 years of service to Canadian Amateur Radio: as Director and President of the Radio Society of Ontario; first Ontario (Central) Director of CARF; Canadian Director of ARRL; President of CRRL; Secretary, Treasurer, and currently Vice President of IARU Region 2 and member of the IARU Administrative Council. Tom was named Ontario Amateur of the Year in 1983, and CRRL Amateur of the Year in 1991. ■

Great Moments in CRRL History

Look over these photos. How many can you remember?

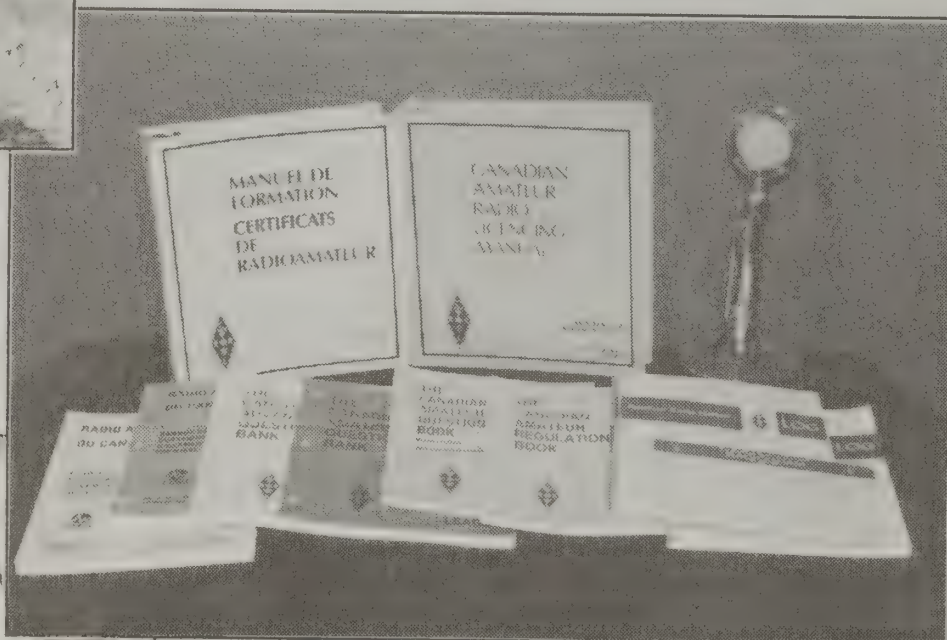
By Harry MacLean, VE3GRO
500 Riverside Drive
London, ON N6H 2R7



CRRL



1920-1993



QST





Of, By and For the Canadian Radio Amateur



The 1988 Polar SkiTrek

Recalling a major achievement by Soviet and Canadian skiers and a unique event for Amateur Radio...

By David Adams, VE3HBF

RR1

Sutton West, ON L0E 1R0

On June 1, 1988 four Canadian and nine Russian skiers made polar history when they stepped ashore on Ward Hunt Island in the Canadian Arctic. In 90 days they had covered 1750 kilometres on skis, travelling without motorized transport, sleds, dogs or other ground support, from their starting point at Cape Arktichesky at the northern tip of what was then still the Soviet Union.

This amazing feat was accomplished with the support of an Amateur Radio communications network that also made history. It was the first such international expedition to rely solely on Amateur Radio for all its communications needs.

Coordinator for the Russian side was Leonid Labutin, UA3CR, a veteran of several previous Soviet polar expeditions. Coordinator on the Canadian side was Tom Atkins, VE3CDM, then president of CRRL. A Canadian base station, CI8C was set up at Resolute Bay in the Arctic, with Barry Garratt, VE3CDX as chief operator. Barry recruited a team of experienced operators who flew up to man CI8C for two-week shifts.

Barry and Tom went to Moscow to make final arrangements, and became the first Canadian amateurs to operate from the Soviet Union under a newly signed reciprocal agreement. Yet another unprecedented event was the operation by Rick Burke, VO1SA, from the main Soviet expedition base on Sredniy Island. Rick, using the call VO1SA/UA0, shared the operation there for several weeks with Leonid, who used the base call EX0CR.

The Canadian operators at Resolute Bay were backed up in Toronto by Tom, VE3CDM, and Garth Hamilton, VE3HO, and in Ottawa by Ron Belleville, VE3AUM. Others who provided significant help included Olle Ekblom, SM0KV, who recorded daily satellite position reports and kept an eye and ear on Soviet radio and television coverage; AMSAT director John Henry, VE2VQ; and Mike, PA0BHF, the UoSAT technician from the University of Surrey (UK), operating the OSCAR digitalker that gave the skiers their daily position reports.

The Canadian skiers were led by Richard Weber, a mechanical engineer, from Kingsmere, Quebec. The others were Laurie Dexter, an Anglican minister from Fort Smith, Northwest Territories; Chris Holloway, a computer programmer, and Max Buxton, a doctor. The expedition



leader was Dmitri Shparo, UA3AJH, who led a previous Soviet ski expedition to the North Pole. He had hoped for Canadian cooperation on that occasion, but because of cold war tensions at the time, it was not forthcoming.

Polar Bridge—An Arctic Odyssey, the book based on the diaries of the four Canadian skiers, recounts day-by-day feelings and experiences. It tells frankly of some of the tensions and disagreements that arose between the Canadians and Soviets. Most of the Soviet team had been together since 1979 and had worked under Shparo's leadership in other expeditions. The Soviets had established several floating "ice stations", including North Pole 28 which played an important part in the SkiTrek as it approached the pole.

With 13 individuals living almost on top of one another for 90 days, sleeping in a single tent, it would have been extraordinary if there had been no disagreements. Still, the group worked together so well that the epic journey paved the way for closer cooperation and better understanding between two Arctic powers.

A full range of radio equipment was supplied by ICOM. This included HF and VHF transceivers and amplifiers for the base stations, and for the "moving group", as the skiers were known, two-metre handheld transceivers and a VHF AM transceiver to permit communication with the Soviet aircraft that air-dropped sup-

plies to the skiers every two weeks. The "moving group" carried a tiny Soviet-designed transceiver operating on crystal controlled frequencies in the 20-, 40- and 80-metre bands, and a dipole antenna raised on a mast made of several ski poles connected end to end.

"Never before," said one account of SkiTrek, "did an expedition have communications that functioned so smoothly around the clock, nor did more to keep high the morale of its participants through every kind of hardship. Much credit must go to the Soviet operators, most of whom had worked together for years in the remote and harsh climate of the polar regions, and to the Canadians whose experience and teamwork resulted in plaudits from radio amateurs around the world. Over 8000 special QSL cards were sent to those who made contact with CI8C during the expedition.

A major event was the arrival of the skiers at the North Pole on April 26. They were greeted by a gathering of 200 Soviet and Canadian officials and media people. Chief operator Barry, who had been using his special call 4K0DX from North Pole 28, was up to his ears in official and unofficial duties, including traffic control for the visiting aircraft. He was relieved when Mike G0/PA0BHF arrived with the Soviet group, and offered to operate CI8UA and give scores of amateurs their first ever QSO with the North Pole. ■

Some Ontario Milestones

Easy to forget: new amateurs may not even know about these...

By David Adams, VE3HBF
R. R. 1
Sutton West, ON L0E 1R0

It can be so easy to forget. Many new amateurs may not even know about these milestones. Let's look back...

THE RADIO SOCIETY OF ONTARIO

The RSO—the Radio Society of Ontario—came into being on 1962 June 27 through the merger of the Ontario Amateur Radio Federation (formed in 1957) and the Ontario Amateur Radio Association (formed in 1959). For 26 years, it served the radio amateurs of Ontario—and indirectly, the radio amateurs of Canada—in many significant ways.

It was RSO that founded and sponsored the ONTARS Net which soon became one of the busiest and best known nets on the continent. ONTARS first went on the air on 1972 January 8. The original manager of ONTARS, who still takes a fatherly interest in it, was Bruce Carveth, VE3BC. Staffing and maintaining a smooth-running net that operates for 11 hours a day, seven days a week, takes a lot of dedication. Keeping track of some 14,000 checkins per month keeps a lot of volunteer controllers on their toes. In its early days, several blind amateurs came forward and offered to be controllers. They proved to be excellent for the task. More and more of them volunteered, and by 1976, they handled as many as 60 of the 77 one-hour periods. The full story of ONTARS and its scores of volunteers still needs to be told. Meanwhile, we salute Bruce and the net managers who followed him: Bill Finlay, VE3CLK; Dick Shunn, VE3HFR; Bill Birchall, VE3FQV; Morley Jackson, ex-VE3FWJ, now VE3AQ; Gabrielle Turner, VE3LVE, and Ross Miller, VE3GRM.

Blind amateurs came by their interest in RSO naturally. David Lloyd, VE3AW, had been asked by the CNIB to extend to other parts of Canada the Amateur Radio courses for the blind that had been started by Jack Foxall, VE3APN, in 1962. It was Jean Evans, VE3DGG of the Ontario Trilliums, who suggested to David that RSO might help.

The RSO president at that time was Bill Choat, VE3CO, who enthusiastically agreed that the RSO would take this on. By 1971, the CNIB Amateur Radio Club launched its Amateur Radio Program with Bill Choat as manager.

RSO voted to disband following a special meeting in Thornhill, Ontario, on

1988 October 15. RSO's Clifford Marsh Ontario Amateur of the Year Award was given over to CARF. CRRL became sponsor of the RSO's Keith Russell Award and the Rusty Brennan Field Day Award. It also took over the ONTARS Net. The RSO President's Award for the best Amateur Radio club newsletter unfortunately perished with the demise of RSO.

DUTY FREE IMPORTS

Tireless lobbying by the RSO and its officers, in collaboration with the Canadian Division of ARRL and CARF, led to an important concession from federal government. This was the decision to allow Amateur Radio equipment to be imported into Canada duty free.

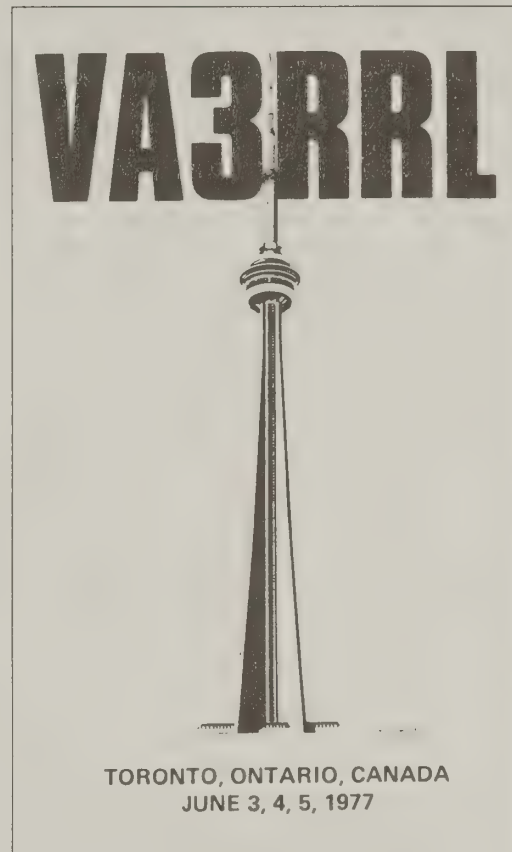
CALL SIGN LICENCE PLATES

The longest campaign, however, which continued over many years and suffered many rebuffs, was the fight to allow call sign automobile licence plates for Ontario amateurs. Ontario was the only province to deny this privilege through successive administrations. The breakthrough finally came on 1976 March 18. The response was immediate, and by year's end, over 1000 call sign licence plates were issued.

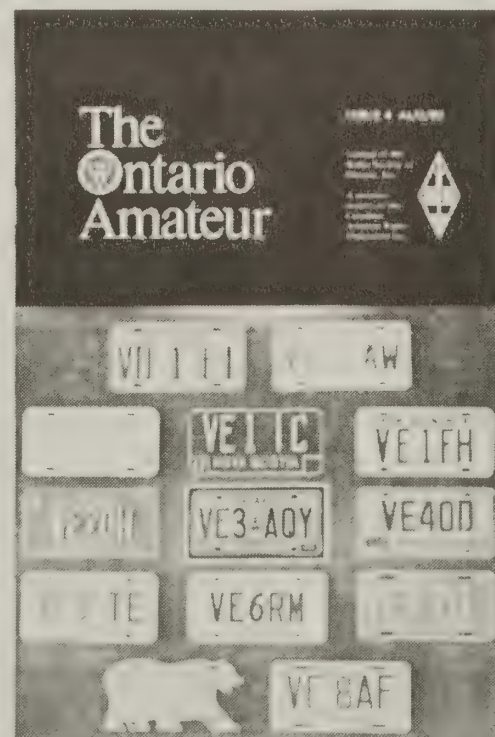
CONVENTIONS

Another milestone for Canadian Amateur Radio took place in 1977, when the ARRL National Convention came to Canada. This international gathering was hosted by the Scarborough Amateur Radio Club, and was held at the Sheraton Centre Hotel in downtown Toronto. Of course, large Amateur Radio conventions were not new to Canada. One RSO activity that caught the attention of thousands of amateurs in Ontario and beyond was the annual RSO convention.

The first RSO convention was held in Brantford in 1968. Others followed in cities around Ontario: Ottawa, Toronto, Kitchener and London—including one in London that was jointly sponsored by RSO and CRRL. These conventions brought together amateurs from all over Ontario and beyond. They offered forums, guest speakers, equipment displays, flea-markets, banquets and award presentations. The RSO convention was the principal Amateur Radio event in Canada each year, and became a model for many other hamfests and conventions across the country.



QSL Card used during the ARRL National Convention, hosted by Scarborough ARC and held in Toronto on 1977 June 3-5.



The cover of RSO's *The Ontario Amateur*, saluting the long-awaited arrival of call sign licence plates for Ontario amateurs. ■

A Merger Exchange from 1985

It was talked about for years. CARF President Ron Walsh, VE3IDW, and CRRL President Tom Atkins, VE3CDM, brought it almost within reach nearly eight years ago. This exchange of letters between Tom Atkins and J. F. Hopwood, then VE7AHB, later VE7RD and President of CARF, and now the first President of Radio Amateurs of/du Canada foreshadowed for the unity that was finally achieved.

1209 Kilmer Road,
North Vancouver, BC V7K 1P9
December 17, 1985

Mr. Tom Atkins, VE3CDM, President, CRRL
Mr. Ron Walsh, VE3IDW, President, CARF

As a member of both CARF and CRRL, and in keeping with the expressed hope of both your organizations, I urge you both to continue your leadership to work toward a unification of these two major supporters and defenders of Canadian Amateur Radio. CRRL and CARF have played a major role in shaping and focussing the marvellous resilience and ingenuity of Canadian amateurs toward amateurs, government and the public at large.

Historically, Canadians have gained the respect of the world at large for our ability to take a mature and responsible position in world affairs. The time has come to come of age as Canadian amateurs fully wishing and working toward a unified organization claiming a responsible autonomy and a loose but largely independent affiliation within the ARRL. We have been divided in our loyalty and in our vision. We continue to owe a great debt to our American cousins in the ARRL for their leadership and contribution to the cause of Amateur Radio throughout the world and in particular to us in Canada. The CRRL has continued to safeguard the benefits of affiliation. CARF has, through its ingenuity, been able to put a Canadian stamp on our national identity. We have been divided as to ways and means, but we are united in purpose—to serve the Canadian amateur.

The realization of one unified national organization will be easier said than done, particularly in light of the polarized positions of some amateurs. I urge you both to form a joint executive committee, to assess the ways and means by which unification would be brought about. Its deliberations should be held in confidence until the difficulties are overcome. This would give the joint committee an opportunity to work unimpeded by the emotional or prejudicial pressures of some groups within both organizations.

Above all, your personal leadership and co-operation is vital to avoid a "win-lose" approach on sensitive and critical issues. I take heart that both of you have had the wisdom and vision to see the potential future for Canadian Amateur Radio nationally and internationally. At last we would take our rightful, unified place before our government and with other amateurs on international matters.

Congratulations to both of you of your courage and statesmanship by working toward this most important happening.

Sincerely,

J. F. Hopwood, VE7AHB

The Canadian Radio Relay League, Inc.
Box 7009, Station E
London, ON N5Y 4J9
December 31, 1985

Mr. J. F. Hopwood, VE7AHB
1209 Kilmer Road
North Vancouver, BC V7K 1P9

Thank you for your recent letter jointly directed to Ron Walsh and myself, with your constructive comments and suggestions on the future direction of organized Amateur Radio in Canada.

As a Life Member of the League, and as one of the founding members of CARF and its first Ontario (Central) Director, I have always had a deep and abiding interest in the concept of one viable national amateur organization for this country.

Because of the positive and tangible steps of both CARF and CRRL people during the past three years, our working relationship has never been better. Together we have already started to build a solid foundation for the future. The Canadian radio amateur has never had more effective service and representation. It is most unfortunate that less than a quarter of the Canadian amateur fraternity chooses to support organized Amateur Radio.

As I am sure you will appreciate, most of the active and concerned amateurs on the stage at this moment have full time occupations as well as family responsibilities, so that it inevitably takes time to accomplish the most basic objectives. However, rest assured that we are on the move.

Your thoughts are much appreciated and I thank you for taking the time to write.

73.

Sincerely,

Thomas B. J. Atkins
President, CRRL

The CRRL Field Organization Forum

REPORTS FOR MARCH 1993

Alberta: Acting SM, SEC, TC: Ken Oelke, VE6AFO @ VE6YYC; STM: Gus Bakker, VE6AKY @ VE6MC; OO/RFI Coordinator: Dick Sheppard VE6TY @ VE6YYC; NMs: VE6CPP, VE6AKY, VE6AUZ. As I write this report the skies in Alberta are clear and very blue. Does this mean that summer is coming? It was a strange winter all across Canada and the US to say the least. As near as I can determine, this report will appear in the June issue of *QST Canada* or the July/August edition of RAC's *TCA*. I will have already attended the Edmonton Hamfest at the end of May and Field Day will be on our doorstep. With the introduction of the one and only national organization known as Radio Amateurs of/du Canada for all Canadian radio amateurs, our Section, like the others, must pull together to spread the word to those who are not in the know about what has happened and why. Believe it or not, it can take up to five years for some radio amateurs to discover what has happened, and this is too long. Yes, I know some amateurs just do not come out to meetings to find out what is going on around them. The Northern Alberta Radio Club has just recently begun a membership drive. Its members are trying to improve the image of the Amateur Radio in the community. This is great and more clubs should make an effort to do the same. Not only should we build up our club memberships, but we should also tell our members the importance of belonging to the new national organization and supporting its many essential programs. The most pressing right now are tower issues, electromagnetic compatibility and how the Department of Communications will liaise with the new Radio Amateurs of/du Canada. These are very important, as will be the upcoming International Amateur Radio Union (IARU) Region 2 General Assembly to be hosted by RAC in Niagara Falls, Ontario, in 1995. What is so important about hosting an IARU conference? IARU is the body made up of Amateur Radio societies across the entire world. It lobbies at world radio conferences to preserve our Amateur Radio frequencies which are under constant threat of being taken from us by commercial enterprise. Do not forget to write Perrin Beatty, the Minister of Communications, with regards to the anticipated losing the 220-222 MHz band like the US amateurs did to the United Parcel Service. Look for information in club magazines and respond. This is why national organizations like RAC need membership support of all Canadian radio amateurs. Who will be the first club in Canada to have all their members become members of RAC? I know that, as an executive member of my club, the Calgary Amateur Radio Association, I will be trying to promote this concept. The Medicine Hat Amateur Radio Club is working hard together to solve some great losses of towers that their VHF voice and packet communications have used for many years. The Medicine Hat EC reports they conducted a mock disaster to which 11 amateurs responded. I will be attending the last CRRL annual general meeting and board meeting on May 1, and the first RAC board meeting on May 2. See you when I get back.

British Columbia: SM: Ernie Savage, VE7FB. BC Public Service Net (BCPS, 3729 kHz, 0130 UTC daily) Manager Ed Galbraith, VE7ELF, reports check-ins: high—201, low—113, total—5004. BC Emergency Net (BCEN, 3652 kHz, 1900 UTC daily) Manager Ray, VE7BCL, reports QNI—1189 and QTC—547. We had good participation this month and QTCs were up a little. Both

Reports invited: CRRL Section Managers (SMs) and their Section-level assistants coordinate traffic handling, emergency communications and bulletin service across Canada. Your SM (name and address appears on page 2 of this *QST Canada*) welcomes reports of individual and club activities for publication in this column. Activities do not have to be related to the CRRL Field Organization or to CRRL.

nets had blackouts during the month of March, but with relays, both were able to conduct their business. A big thank-you to stations who represented BCEN on RN-7 twice nightly: VE7ANG, VE7BNI, VE7CCJ and VE7OM. 73.

Manitoba: SM: Bill Crooks, VE4JR; A/SM: VE4IX; STM: VE4STU; SEC: VE4TM; NMs VE4LB, VE4TE, VE4TY, and VE5ND. I received a letter from Ray Staines, VE3ZJ, General Manager of the CRRL in Arva, Ontario, telling me that ARES in Manitoba has the best organizational record of any ARES group in Canada. We should thank Dave Place, VE4PN, the former SEC, and Rod Kischook, VE4TM, the current SEC, for setting up a very well structured emergency communications network which covers the Interlake, Whiteshell and Pinawa areas as well as the City of Winnipeg. There will be more areas set up in the southern and western parts of the province. Keep up the fine work, Rod! Of interest to net control stations that run the Manitoba Evening Phone Net, the preamble and roster have now been brought up to date and should be in your hands by the time you read this. As you have heard, the CRRL and CARF will now be dissolved and replaced by one body effective 1993 May 2. The name is RAC which is short for Radio Amateurs of/du Canada. Publication of *QST Canada* will be terminated with this June issue, to be replaced by *The Canadian Amateur* effective July/August, as the one publication for RAC. There will still be reports from the various provinces, and I will still be asking for items of interest from all the areas in the province, so please send me reports of happenings and events in your area. My address is on page 2 of this *QST Canada*. 73.

Maritimes-Newfoundland: SM: John Avery, VE1IW @ VE1WL; STM: Bob Kirkpatrick, VE1VAR; SEC: Brian Upton, VE1ZJ; BM: Brent Taylor, VE1JH. This report will be news from the area where the SM happens to live, as no news has been received from any other areas. The Fredericton ARC (FARC) and the University of NB ARC each held Amateur Radio courses in the fall and winter. From these two courses there are 24 new amateurs with the Basic licence. Two amateurs received their CW and two others their Advanced qualification. FARC held its monthly "Hams and Eggs Breakfast" on the last Saturday of March. Some 40 amateurs attended, including Henry, KA1IWX, and Ethel, N1MQP, from Northern Maine who were visiting the area. CFB Gagetown ARC held an open house during the CQ WPX SSB Contest. John, VE1IW, Shawn, VE1SLM, Charman, VE1RSA, George, VE1GRP, Earl, VE1ERL, Jim, VE1WOW, and Brian, VE1ZJ, operated the club station in the contest and managed to make over 1600 contacts. As SM, I attended the CFB Gagetown ARC meeting on the first Sunday of March, and on the following Monday I attended the FARC meeting. I believe that we will be able to get many of the amateurs who attended on board. I plan to attend a meeting in Saint John, New Brunswick, on April 13, and the International Repeater Group Annual Meeting in Woodstock, New Brunswick, on April 18. I would like to receive some input from the amateur clubs

in Nova Scotia, Newfoundland and PEI. This would be a great help in writing the monthly report for our Section. I can be reached via packet at the address noted above. Bulletins will be read when received, on 3.750 MHz after the Maritime Net is closed, for those who do not have access to packet. The BM, Brent Taylor, VE1JH, advises me he has not had the time to do the BM's job and wishes to resign. I am not sure whether Brian Upton, VE1ZJ, will be able to stay on as SEC. More news on these positions, I hope, next month. Now that spring has come and weather is improving, it's time to get some maintenance done on the towers and antennas. See you all next month.

Ontario: SM: Larry Thivierge, VE3GT @ VE3OSQ; A/SM and BM: VE3AV @ VE3JF; Acting SEC: VE3GT @ VE3OSQ; STM: VE3CYR @ VE3KRG; TC: VE3EGO. VE3ZDC has been appointed DEC for Middlesex County and surrounding counties; and VE3JVB is the new EC for the City of London. Nice to see VE3CWE has qualified for the DXCC Honour Roll. He finally made it with a mixed mode current country total of 316 and a total country total of 329. Congratulations Walt! Regrettably I report that the following are Silent Keys: ex-VE3AG, VE3ALX, VE3AOX, VE3BJZ, VE3BZI, VE3THC and VE3ZP. Our condolences to their families and friends. Amateur stations in Ontario are authorized to use the prefix CF3 replacing VE3 on a voluntary basis during 1993 July 1-31. This is to commemorate the centennial of Ontario Parks. Across the border, the Batavia (New York) Hamfest will be held on July 11. VE3CYR is back after a late vacation and managed to survive the topless beaches of Portugal. Scarborough ARC will soon be releasing a new set of awards. Congratulations to Cathy, VE3GJH, on becoming President of CLARA. VE3GRF is enjoying his new TS-850S. This month, ARES reports were received from:

Group	EC	No. of Nets Held
Peterborough	VE3AFP	5
High Counties	VE3FS	5
Kemptville	VE3GNW	0
Brampton/Caledon	VE3LPM	5
Burlington	VE3LVO	2

VE3WJD has completed 15 consecutive years of service on the Scarborough ARC executive. VE3ADX did an excellent job with his very thorough presentation on antennas to Algoma ARC. After some 190 columns, this will be my last one appearing in *QST* and *QST Canada*. Next month this column will appear in *The Canadian Amateur*, the magazine of RAC—Radio Amateurs of/du Canada. I would like to thank personally the many fine bulletin editors who so kindly and regularly provided me with their material, thus making this column possible. Don't forget, Field Day bonus points can be earned by sending your Section Manager or Section Emergency Coordinator a message as outlined in the rules. Good luck to all on Field Day for the first time. Have fun!

Quebec: SM: VE2ALE; STM: VE2ED; BM: VE2ALE OBS: VE2GOP; QSL Manager: VE2IJ.

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Manitoba Train Derailment

Rod Kischook, VE4TM, is the Section Emergency Coordinator (SEC) for the CRRL Manitoba Section. Here is his report on the train derailment at Oakville, Manitoba, that captured the headlines last Christmas:

"On Friday, 1992 December 18, at about 2100, an eastbound CNR freight train derailed approximately half a mile east of Oakville. The town has about 400 residents, and is 45 kilometres west of Winnipeg.

"The train had 41 cars containing a variety of materials, including dangerous chemicals: propane, sulphuric acid, caustic soda, vinyl acetate and acetic anhydride. Twenty-nine cars jumped the tracks, and five developed leaks. Because of the dangerous materials being released into the environment, the entire population of the town was evacuated to nearby Portage la Prairie the next day.

"On Sunday, the Manitoba Emergency Measure Organization's Emergency Operations Centre (EOC) in Winnipeg called me. They instructed me to contact the EMO staff member at their Emergency Mobile Command Centre (EMCC) located at the west edge of the evacuation zone. (A photo of the EMCC appeared on the cover of 1992 January *QST Canada*). I contacted Hank McLaughlin at the EMCC who told me that ARES was needed to operate the EMCC communications centre daily from 0830 to 1900.

"When I arrived at the EMCC, I was briefed by Hank as to what was required of our members. The duties included serving as radio operators for the EMO and the site commander, and answering the four telephone lines that had been installed in the trailer by the Manitoba Telephone System. We quickly raised the antenna mast, programmed the radios for the frequencies to be used, and started operations.

"In incidents like this, the EMCC is the coordination centre for the response teams from various agencies including the RCMP, EMO, fire, ambulance, and CNR. The situation was serious. On the following Tuesday, it was decided to extend the evacuation period for two weeks. To make matters worse, on December 24, Environment Canada issued a blizzard warning for southern Manitoba. This led to the decision to shut down operations and keep only a few key people on the site from the December 24 to 26.

On December 24, I picked up an 800-MHz trunk system radio that was to be installed in the EMCC. This system allows the user to call individual stations

on the system or to call all stations on the system as a group. The system seems to work quite well in public service use, although it is still in the development stage in Manitoba.

"Our involvement wound down on December 30, by which time radio traffic had dropped to a minimum and telephone traffic could be handled by EMO personnel. The following amateurs were

Field Organization Reports March 1993

CRRL Section Emergency Coordinator Reports

Reports were received from the following SECs (DECs and ECs reporting are listed in brackets) denoting a total ARES membership of 1008.:

Reporting	ARES Members
VE3GT (VE3s AFP, FS, GNW, LPM, LVO)	540
VE6AFO (VE6s CIA, AFO)	372
VE7HJS	98

CRRL Section Traffic Manager Reports

Call	Orig	Rcvd	Sent	Divd	Total
VE1NB	1	16	13	6	36
VE1YS	0	9	10	0	19
VE1DLC	1	6	5	1	13
VE1ALU	1	3	3	1	8
VE1VAR	1	10	1	0	12
VE2ALE	0	56	237	1	294
VE2GOP	0	36	84	0	120
VE2ED	2	31	4	29	147
VE3GNW	0	96	107	1	204
VE3ORN	1	76	71	12	160
VE3GSQ	0	87	58	0	145
VE3GT	0	55	82	0	137
VE3AJN		91	33	0	124
VE3HZQ	1	38	63	1	103
VE3PXR	11	12	38	40	101
VE3FS	1	48	51	0	100
VE3BDM	0	26	48	1	75
VE3WV	2	54	7	2	65
VE3DBG	4	1	19	3	27
VE3NVJ	4	6	14	1	25
VE3CYR	0	21	1	0	22
VE3DVE	1	6	9	1	17
VE3ADX	1	7	5	3	16
VE3AAU	1	3	10	0	14
VE3GKB	0	5	7	1	13
VE3LPM	0	4	8	0	12
VE3SB	0	5	6	0	11
VE3CVK	0	3	2	2	7
VE3MNI	0	1	5	1	7
VE3BAJ	0	0	5	0	5
VE4JR	0	20	20	8	48
VE5KZ	7	18	18	0	43
VE5JML	0	0	6	0	6
VE6CE	15	24	23	1	63
VE6XG	6	20	9	9	44
VE6AKY	3	2	2	2	9
VE7BNI	30	235	303	37	605
VE7ANG	2	120	111	6	239
VE7BCL	0	80	36	6	122
VE7XA	0	32	53	5	90
VE7CCJ	3	35	30	1	69
VE7OM	1	27	14	7	49
VE7GKA	0	20	8	8	36
VE7BCF	0	16	14	3	33
VE7EGM	4	21	4	3	32
VE7FB	0	12	16	3	31
VE7FRZ	8	13	9	0	30
VE7BZI	4	14	4	4	26
VE7WI	0	15	9	1	25
VE7CZW	0	16	2	0	18
VE7BPO	1	13	1	1	16
VE7AHU	0	11	3	0	14
VE7BUU	0	11	1	1	13
VE7DJ	1	9	1	0	11
VE7ALV	1	9	1	0	11

National Traffic System

Net (Manager)	Sess	QNI	QTC
APN (VE1YS)	28	143	83
QSN (VE2ED)	17	74	27
KTN (VE3AJN)	14	112	13
OLN (VE3DUI)	31	903	44
OPN (VE3AJN)	31	620	205
OQN-D (VE3ORN)	31	158	78
OQN-E (VE3CYR)	30	164	63
OQN-L (VE3GSQ)	31	903	44
MEPN (VE4LB)	31	1115	22
MMWX (VE4TE)	31	455	21
MTN (VE4TY)	23	194	15
SEPN (VE5ND)	28	1873	9
APSN (VE6AKY)	31	1173	42
BCEN (VE7BCL)	31	1189	547
BCPSN (VE7ELF)	28	4284	0

Brass Pounders' League

This listing is available to amateurs who report to their SM a traffic total of 500 or a sum of originations and delivery points of 100 or more for any calendar month. All messages must be handled on amateur frequencies, using standard ARRL-CRRL form, within 48 hours of receipt.

BPL: VE3KK, VE7BNI

Public Service Honour Roll

(1991 Revision) This listing is for amateurs whose public service performance during the month indicated qualifies for 70 or more points in these eight categories (as reported to their SM). Note maximum points for each category: (1) Checking into a public service net, any mode, 1 point each, maximum 60; (2) Acting as Net Control Station (NCS) for a public service net using any mode, 3 points each time, maximum 24; (3) Performing assigned liaison between public service nets, 3 points each time, maximum 24; (4) Delivering a formal message to a third party, 1 point each, no maximum; (5) Originating a formal message from a third party, 1 point each, no maximum; (6) Serving as a CRRL SM or field appointee, 10 points for each office or appointment, maximum 30; (7) Participating in a communications network for a public service event, 10 points each event, no maximum; (8) Providing and maintaining an automated digital system handling messages in standard ARRL-CRRL format, 30 points. Those qualifying for Public Service Honour Roll for 12 consecutive months, or 18 months out of 24, will earn a special certificate.

PSHR: VE2ED (115), VE3ORN (151), VE3AJN (135), VE3BDM (129), VE3FS (129), VE3GNW (129), VE3GSQ (128), VE3GT (128), VE3HZQ (120), VE3PXR (116), VE4LB (89), VE3LPM (88)

Service and Specialized Nets

Independent Net Managers: Please send your reports to CRRL, Box 56, Arva, ON N0M 1C0.

Net (Manager)	Sess	QNI	QTC
ONTARS	28	12296	0
GBSSN (VE3WV)	31	138	51
GBN (VE3WV)	31	121	20
Manitoba Repeater	8	613	0
Aurora 1 (VE5ND)	29	1666	12
Aurora 2 (VE5ND)	14	430	1
Prairie WX (VE5EX)	28	762	0
Sask ARES (VE5FY)	4	206	0
Central Sask 2-m (VE5HG)	24	1275	0
Saskatoon 2-m (VE5DN)	28	455	0
MJARC 2-m (VE5JJP)	28	405	0
Avonlea 2-m (VE5EE)	27	934	0
Alberta ARES (VE6AKY)	8	283	4

involved in operating the station: Rod VE4TM; Ron, VE4RHK; Steve, VE4WS, and Bud, VE4CP. ARES personnel supplied a total of 140 hours of assistance. I feel it was time well spent, not only to assist the EMO people on site, but also to demonstrate that ARES can provide a valuable service in time of emergency.

"Some observations I made were:

1) Photo identification cards are essential for ARES members, to facilitate access to the operations area.

2) Ergonomic chairs are necessary when an operator has to spend a long time at an operating position.

3) Operating space in a trailer is at a premium. A headset with a foot switch for the radios makes taking notes and messages much easier in crowded quarters. Also a headset for the telephone system would be helpful. Even better would be an integrated system with one headset for both uses.

4) Familiarity with equipment is important. We have participated in three exercises involving the EMCC in two years and this has greatly increased our operating ability.

5) ARES members must remember that in operations involving government agencies all communications are confidential and must not be disclosed to outside parties."

LOST HUNTER IN NEWFOUNDLAND

Charlie Pierce, VOILD, and Roly Peddle, VOIBD, put together a report on an incident that took place in their province within one day of the Manitoba train derailment. Roly felt that the ARES response was notable because many new amateurs took part and did an excellent job:

"Late on the evening of December 19, the local RCMP detachment in Placentia contacted Joe, VOIJOE, Director of Placentia Area ARES, to request assistance in the search for a missing hunter.

"Joe contacted Charlie, VOILD, Emergency Services Supervisor, who met with the RCMP and set up a plan for a search that would begin next morning. Weather conditions were poor—cold with snow and blowing snow.

"With help from his XYL, Theresa, VOIYG, and sons Stephen, VOISJP, and Robert VOIII, Charlie contacted other local amateurs by telephone and asked them to take part in the search that would start early the following morning. Other calls were made by Leo, VOIAM, backup control station operator. At daybreak the search teams assembled. They were briefed on the plan, and the search commenced.

"Wayne, VOIWH, established the control station at his home, while Cyril, VOICHB, set up medical liaison at the Placentia Cottage Hospital. John, VOIANJ, stood by with a small school

bus to transport radio-equipped searchers as needed.

"The search began with air coverage using a helicopter and ground search teams, each with an ARES operator using a handheld transceiver. The various teams kept in contact on two-metre simplex and through the local repeater, VO1PFR, which has phone patch capability. Before long, the helicopter sighted the missing hunter and one of the search teams was directed to him by the helicopter. The rescued hunter was taken to the hospital on the bus driven by VOIANJ, as no ambulance was available.

One problem was caused by a group of searchers who set off without reference to the organized search operation. A search team led by Ken, VOITE, had to be diverted to locate them so they would not be mistaken for the lost hunter, thus causing a delay. Another problem was the lack of a direct link with the RCMP. The only liaison with them was through monitoring their frequencies, using a scanner at VOILD.

"This operation showed the value of communications coordination between air and ground search crews. A notable aspect was that, except for Charlie, VOILD, and Leo, VOIAM, all the rest were new or relatively new Amateur Radio operators. They included Con, VOICON; Ken, VOIKOK; Ed,

VOIECV, and Frank, VO1FK, as well as those mentioned above. A job well done!"

CONGRATULATIONS AND BEST WISHES TO...

John Lester, VE3MB, EC for Hastings County and a frequent contributor to this column. After five busy and productive years, John has decided to retire. Ron Chapman, VE3IVC, has been appointed to replace him.

John Avery, VE1IW, recently appointed Section Manager, Maritimes-Newfoundland Section. John, provided the background for last month's item on the New Brunswick Emergency Measures Control Group.

A PERSONAL NOTE

This column has appeared in both *QST Canada* and *The Canadian Amateur* since 1988. It would not have survived this long without strong support from contributors in all ten provinces. Many thanks to all who sent encouragement, news items, and advice. It will continue for RAC in *The Canadian Amateur*. —Bob Boyd, VE3SV ■

Calendar—continued from page 2

Marmora, ON: Eastern Ontario Hamfest, 1993 June 12 at Marmora Area Curling Club, Crawford Drive. Opens at 0900, 0700 for vendors. Admission \$3. Tables \$5. Talk-in on VE3TZW, 145.410 MHz (-). For more information, contact George, VE3GJF, Tel (613) 472-5948, or Paul, VE3UUM, Tel (613) 472-3449.

Milton, ON: 19th Annual Ontario Hamfest, 1993 July 3 at Milton Fairgrounds. Sponsored by Burlington ARC (BARC). Admission \$5. Weekend camping \$5. Opens at 0900, 0800 for tailgaters, 0700 for commercial vendors. Large indoor and outdoor fleamarkets. Special-event station VE3PSN for "special needs people". Refreshments. For more information, contact BARC, Box 85037, Burlington, ON L7R 4K3; Ken, VE3WN, Tel (416) 637-0772, or Chris, VE3CCF, Tel (416) 847-0090.

Regina, SK: Regina Hamfest, 1993 July 30–August 1, at Luther College, University of Regina. Registration \$10 before July 1, \$15 at the door. Fleamarket tables \$5. For more information, contact Lyle Hopwood, VE5HL @ VE5AGA, 4530 Third Avenue, Regina SK, S4S 0E8.

Saint John, NB: Amateur Radio Fleamarket, 1993 June 19 at Dennis Morris Community Centre, 330 Greenhead Road, Saint John West. Opens at 0900, 0700 for table setup. Admission \$2. Tables \$5.

Victoria, BC: Third International Friendship Radiosport Games and Hamfest, June 24–27. Special-event station XO7G, CW contests, fox hunts. Awards banquet on June 26. Hamfest, commercial displays and fleamarket on June 26–27. Russian amateurs attending. Talk in on 146.84 MHz (-) and 147.42-MHz simplex. For more information or registration, contact VE7KPV @ VE7VBB, Tel (604) 370-4420, Fax (604) 370-3750. ■

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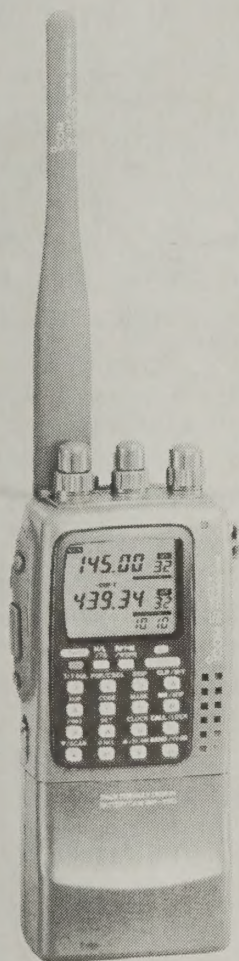
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Not the big display, of course.

Not the super audio speaker.

And we obviously couldn't cut corners on features and still call it an ICOM. So we got rid of the buttons.

When you really think about it, you want what buttons do, not necessarily the buttons themselves, right?

So we put the controls on the inside, where they belong.

To find out how we did it and how it works, call the I-COM LINE

The IC-2iA: uniquely ICOM!

Actual size!



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